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FORT LEWIS DINING FACILITIES CONSUMER SURVEY

by

Harold O. Kiess
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January 1972

UNITED STATES ARMY
NATICK LABORATORIES
Natick, Massachusetts 01760



Pioneering Research Laboratory

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Technical Report

TR 72-44 PR

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Foreword

This technical report is one of several dealing with studies of the feeding system at Fort Lewis, Washington, evaluations of that system, recommendations for change at Fort Lewis, and the results of those changes. This work was carried on as part of Task 03 under Project Number 1J662713AJ45, Systems Studies in Military Feeding, and Task 06 under Project Number 1J662713A034, Military Food Service and Subsistence Technology.

Each military service, Army, Navy, Air Force, and Marine Corps, has its representative at the Natick Laboratories. Inquiries concerning this report, or other matters in the Department of Defense Food RDT&E Program, should be directed to the appropriate Service Representative, for example:

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Acknowledgements

The authors would like to express their thanks to the following individuals who participated in various stages of this investigation: Dr. Robert Byrne and Dr. Walter Organist for establishing the sampling procedures; Dr. Joseph Budelis, Miss Barbara Hasenzahl, Mr. Gerald Hertweck, Dr. Herbert Meiselman, and Dr. Thomas Nichols for their assistance in the administration of the questionnaire; and Miss Mary St. Andre for her tabulation of the data. Special appreciation is extended to Col. Julian Turner and his staff at Ft. Lewis, Washington, whose valuable efforts aided in the completion of this study.

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Abstract

A survey of approximately 350 garrison and TOE troops from nine dining halls at Ft. Lewis, Washington was conducted in April 1971. The purpose of the survey was to identify those factors which have the potential for influencing or determining consumer attendance at the dining hall. In general, the results showed that the "typical" soldier did not consider the quality of the Army's food-service system to be very good. Their most frequent complaints about the dining hall were food-related, i.e., poor quality, poor preparation, and lack of sufficient quantity.

The conclusion could be made that an improvement of quality, preparation, and quantity of the food would be all that is necessary to draw the military customer back into the dining hall. Indeed it may be, but we have no way of knowing without an empirical test. The eating situation may well be an interactive one in which all factors, including attitude towards the Army, influence eating behavior.

I. INTRODUCTION

The Army has traditionally provided its men with all of their meals. Recent observations at a number of Army posts, however, indicate that a large number of the men do not eat many or any of their meals in the Army dining facilities. Moreover, this problem does not seem confined to the Army; both the Air Force and the Navy report similar observations. However, although the problem of men failing to attend a great number of military-furnished meals has been reported throughout the services, little concrete information is available either on the number of meals they miss or the reasons for this behavior.

The purpose of this study was to gain more information about the consumer, that is, the Army soldier. Most of the questions were directly concerned with food and areas related to the dining facility; however, there were some questions of a more general nature to give us some idea of the background of the subject and his feelings about his military situation. Although all the respondents in this survey were from Fort Lewis, Washington, it is hoped that some generalizations will be able to be made for other Army posts as well. It is also hoped that the results will provide useful information for the upgrading of present feeding facilities (not only Army facilities, but also Navy, Air Force and Marine shore installations) and for the planning of new facilities.

II. PROCEDURE

Selection of Sample — TDA and TOE Units

The attendance rates for TDA (Table of Distribution and Allowances) and TOE (Table of Organization and Equipment) dining halls at Fort Lewis were determined for February, 1971. Nine dining halls were then selected as representative of (1) the range of attendance at the various Fort Lewis dining facilities and (2) the facilities showing these attendance rates. From each of these nine facilities, 70 soldiers' names were randomly selected from the signature headcount sheets, DA Form 3351, and their attendance rates for the month of February, 1971, were determined. At Fort Lewis, company commanders of the selected dining halls were given the list of the 70 soldiers selected from their unit and told to send 50 of the soldiers to a specified interview session. Only 50 of the 70 soldiers were requested, in order to obviate the problems of those who were on leave, had transferred to another station, were on temporary duty, or had left the service. In actuality, it was generally impossible to obtain even 50 out of the 70 soldiers selected. Table 1 presents the dining units selected, the identification letter assigned to them, the number of soldiers interviewed in each, and the percentage utilization of the facility during February, 1971, as determined from the signature headcount sheets.

Table 1
TDA and TOE Sample

Dining Hall Units	No. Interviewed	No. Discarded	Total	% Util.
A ¹ Co A, USATCI Wac Co	34	0	34	27%
B HHC, USATCI	32	1	31	43%
C 3rd Cav I & K Troops	51	0	51	66%
D HHD 62 Med Gp 551st Med Co 423d Med Co	36	2	34	48%
E HQ, 339th Engr.	26	0	26	48%
F 2d Bn 19th Arty	47	2	45	54%
G 143 SDS Co 63d Ord Co	30	1	29	57%
H 513 Maint Co 171st Ord	53	3	50	56%
I 542d Maint Co 70th Support Bn 151st	43	0	43	66%

¹This unit was composed of 19 males and 15 females.

Selection of Sample — Basic Combat Trainees (BCTs)

Two BCT units were selected by personnel of Support Services Division at Fort Lewis. These particular units were selected only on the basis of having time available in their training schedule to take the questionnaires. The units selected and the number of men interviewed are given below. Utilization of the dining facilities by the assigned soldiers was near 100%.

Identification	Units	No. Interviewed	No. Discarded	Total
BCT	B-2-2	50	1	49
BCT	C-1-2	49	0	49

Administration of Questionnaires — TDA, TOE, and BCT Units

The questionnaire upon which this report is based was called the "Dining Facilities Questionnaire" (Appendix 1). In a single session, each soldier filled out this questionnaire along with two other questionnaires not discussed in this report (the "Proposed Changes Questionnaire" and the "Food Preference Survey"). The Dining Facilities Questionnaire was always the first questionnaire filled out in the session. Sessions were conducted in groups of approximately 20 to 50 people, starting either at 0730 or 1230 and lasting about 3 1/2 hours. The Dining Facilities Questionnaire took about 1 to 1 1/2 hours to complete. There were six interviewers running two concurrent sessions, with three interviewers at each session. The interviewers checked each questionnaire upon its completion, to assure that it had been filled out properly. Nine subjects who participated were discarded because they had not filled out the questionnaire completely, or because they said they did not want to fill out the questionnaire. Subjects were permitted to take coffee and toilet breaks at will during the test session. The entire test took 3 1/2 days to run in April 1971. More complete details of the administration procedure are presented in Appendix 2.

The results of the survey will be presented separately for the TDA and TOE units and for the BCTs. Complete details of the results are presented in Appendices 3 and 4.

III. RESULTS — TDA AND TOE UNITS

Background Information of Sample

The mean age, height, and weight for the TDA and TOE sample of males and females is presented below.

	Average Age	Average Height	Average Weight
Males:	22.0 yrs.	5'11"	165.7 lbs.
Females:	21.5 yrs.	5'5"	137.4 lbs.

Although the sample was drawn only from soldiers stationed at Fort Lewis, the members of the sample represented all geographical regions of the United States in approximate proportion to the distribution of the population of the United States. The sample also represented a variety of rural — urban backgrounds (e.g., farm background, small towns, large towns, small and large cities). The majority (79%) of our sample had finished high school, and 32% of the sample had had at least some college training. The largest proportion of our sample was single (76%) and had never been married; nineteen percent of the respondents were married.

Civilian occupations prior to joining the Army were many and varied. The largest group (30%) had been students, while 20% of the sample had held skilled positions and 14% of the sample had had unskilled occupations.

A complete summary, based on *The Dictionary of Occupational Titles*, Volume I, U. S. Government Printing Office, Washington 2nd Edition, 1949, is as follows:

Occupations Prior to Joining the Army

Professional and Managerial	8%
Clerical and Sales	6%
Service Occupations	3%
Agricultural, Fishery, Forestry	1%
Skilled Occupations	20%
Semiskilled Occupations	7%
Unskilled Occupations	14%
Students	30%
Unemployed	5%
No Answer, Indecipherable Answer	6%

Eighty-five percent of the respondents were Caucasian, 13% Negro, and 2% were of other racial origin or failed to answer the question. Forty-five percent of the soldiers reported a religious preference for a Protestant faith²; 27% of them reported a preference for the Catholic faith; 13% reported a preference for another faith³; 12% reported no preference; and 3% of the soldiers failed to respond to the question.

²Protestant

Baptist
Methodist
Lutheran
Presbyterian
Episcopalian

³Other Faith

Mormon
Pentecostal
Jewish
Church of God
Buddhist

Brethren
Bahai
Nazarene
Church of Christ
Tao

Atheist
Agnostic
Holyist
Assembly of God
Greek Orthodox

Army Status and Attitudes

Army Status

The majority of the troops were not career Army (88%); most had been drafted (51%) or had enlisted to avoid the draft (16%) and had been in the Army less than 24 months (71%). Only a very small percentage of the sample had been in the Army for over three years; the typical soldier had been in the Army for between 18 and 24 months. The most typical rank was E-4 (33%); there were few representatives over the grade of E-5 and few under E-3. A total of 79 different MOS's were represented in the sample, together with 6 soldiers who said they had no job. There were ten MOS's, each of which was held by 10 or more soldiers in the sample; however, the majority of the MOS's were held by only two or three people in the sample. Eighty-six percent of the sample lived in the barracks and 92% did not receive a separate rations allowance. Those who did not live in the barracks and those who received a separate rations allowance were included in the sample because they had attained this status since the time their names had been chosen for the sample or because they were still eating at least some of their meals in the dining facility, on a cash basis. Most of the soldiers had eaten in the dining facility that they rated for less than six months. Only a small percentage had eaten in the facility they were rating for over 12 months.

Attitude Toward the Army

In general, the attitude of the soldier toward the Army was "I dislike it" or "I dislike it very much".⁴ The troops from two units were an exception to this; their attitudes were more neutral (Units A&G). However, almost as many of the soldiers felt that their treatment by the Army had been "fair" (48%) as those that felt their treatment had been "unfair" (52%). A large proportion of these soldiers felt that the Army was not using their talents effectively (78%). There was some variability from unit to unit, but in all units, the percentage of "ineffective" ratings was higher than the "effective" ratings.

If we were to create a profile of a "typical" respondent, he would have possessed the following characteristics:

Age: 21 years
Height: 5' 11"
Weight: 165.7 lbs.
Hometown Area: Midwest or Southeast
Education: High school graduate
Marital status: Single
Race: Caucasian
Religion: Protestant
Occupation prior to Army: Student

⁴Note: In almost all instances, the median was considerably less than the mean for this question. This is due to most of the subjects having ranked their attitudes on the low end of the scale, while a few subjects ranked their attitudes on the very high end of the scale.

Had been drafted into service
Time in Service: 18 to 24 months
Grade: E-4
Non-career Army
Will not re-enlist
Disliked the Army
Equally likely to have felt he had been fairly or unfairly treated
Felt his talents were being ineffectively used
Lived in the barracks
Not on separate rations
Had eaten in the dining hall he was rating for about 1 to 3 months

It should be emphasized that this description would have been a "typical" subject as abstracted from the background data. It is very unlikely that any one subject would have had all these characteristics. For example, it was possible for a respondent to have been a 23-year-old WAC, 5' 2" tall, 110 pounds, from Maine, who liked the Army very much.

Attitudes Toward Dining Facilities

Introduction

The following sections will present summary values of the results for various areas of eating behavior and attitudes about the dining facilities. Unless otherwise noted, these values will be assumed to be representative for all of the sample. If units differed significantly on the results for any question, mention will be made of this in the text. Complete summaries of the results are presented in the Appendices. Appendix 4 presents tables containing the percentages of responses and summary statistics, and Appendix 5 presents a summary of the soldier's comments.

Eating Patterns and Eating Behavior

Five different estimates of the soldier's eating behavior, both prior to being in the Army and while in the Army, were obtained. The soldier estimated: (a) his eating behavior before entering the Army, (b) all the meals he ate anywhere while in the Army, and (c) all the meals he ate in his dining hall. Also obtained were: (d) the number of meals he ate in his dining hall as calculated from signature headcount sheets, and (e) the soldier's corrections of his signature headcount sheet record. The various estimates of eating patterns are presented in Table 2 below.

Table 2

Estimates of Meals Eaten by the TDA and TOE Soldiers

	Breakfast	Weekdays		Breakfast	Weekends	
		Midday	Evening		Midday	Evening
Prior to the Army	64%	89%	95%	62%	87%	90%
Anywhere while in the Army	64%	88%	91%	43%	84%	81%
In the dining hall	58%	81%	72%	25%	53%	43%
Signature headcount sheet	37%	46%	44%	22%	35%	30%
Corrected signature sheet	52%	69%	59%	27%	42%	36%

When soldiers did not eat in their dining halls, it appears that the most frequent alternatives were: skipping the meal, eating at an off-post short-order restaurant, eating at an off-post quality restaurant, eating at an on-post PX snack bar, and eating at an off-post bar or tavern. Eating in PX donut shops, at friends' houses, at girlfriends' houses, or at home were reported less frequently. Few respondents ate at NCO service clubs either at Fort Lewis or at some other post (e.g., McChord Air Force Base), at PX snack bars at McChord, with relatives, or at EM clubs.

Many of the soldiers (78%) at least "sometimes" skipped meals because they were not hungry. However, it does not appear that gaining weight was one of their concerns since 71% said they never skipped a meal because they thought they were gaining too much weight.

Variety of Normal Meals — Weekdays and Weekends

The mean ratings for normal meals in the dining hall on a 7-point scale ranging from "1-no variety" to "4-about right" to "7-too much variety" were as follows:

	Weekdays	Weekends
Breakfast	2.5	2.4
Midday Meal	3.2	2.7
Evening Meal	3.1	2.6

Among the dining halls, there were some statistically significant differences in these ratings; however, these differences were all among ratings less than 4.0. There were no dining halls for which a mean rating of "4-about right" or greater was given.

Variety of Short-Order Meals — Weekdays and Weekends

The mean ratings on a 7-point scale with "1-no variety", "4-about right", and "7-too much variety" given for the short-order menu in the dining hall were 2.6 for weekdays and 2.3 for weekends. Differences among facilities did not reach statistical significance for these ratings. Again these mean ratings represent a rating which was substantially less than "4-about right".

Food Quality and Preparation

The mean ratings on a 7-point scale with "1-unacceptable", "4-average", and "7-excellent" given for the quality of the food prior to preparation, the quality of the food after preparation, and the ability of the cooks were as follows:

	Normal Meal	Short-Order Meal
Quality of food (prior to preparation)	3.5	---
Preparation of foods	3.0	3.3
Ability of the cooks	3.2	---
Cooks doing their job	3.3	---

The ratings for the quality and the preparation of the food were representative of all the sampled facilities. There were, however, some rather large differences among units in the ratings of the cooks' abilities and how well the cooks were doing their job. Surprisingly, it appears that all cooks turned out about the same rated-quality of food.

The major food quality-defects were:

1. tough meats
2. excess fat, gristle, and tendon
3. damaged or bruised fruit
4. stringy foods

The major preparation-defects were:

1. greasy foods
2. tough meats
3. tasteless foods
4. cold (when should be hot)
5. undercooked foods

In summary, it would appear that the soldier believed that the quality of food prior to preparation was slightly less than average, that the preparation of the food was considerably less than average, and that this poor preparation might be the result of cooks of less-than-average ability, who were not working as well as they could have worked.

Food Quantity

The ratings on a 7-point scale with "1-too little", "4-about right", and "7-too much" for the amount of food served at normal meals were as follows:

Meat	Potatoes	Vegetables
2.4	4.6	3.4

Interpretation of these results indicates that the troops felt that an inadequate amount of the meat portion was being served, an "almost right" (just slightly less than adequate) portion of vegetables served, and an "almost right" (just slightly more than adequate) portion of potatoes served.

To corroborate these findings, 43% of our sample stated that they "often" or "always" left their dining hall and still felt hungry. There were also reports of discarding or not eating foods. These are summarized as follows, from the most to the least discarded item:

- Potatoes (often or always discarded — 38%)
- Vegetables (often or always discarded — 29%)
- Dessert (often or always discarded — 19%)
- Meat (often or always discarded — 19%)
- Salad (often or always discarded — 15%)
- Beverage (often or always discarded — 4%)

Sanitation

Approximately 80% of the soldiers felt that sanitary conditions in the dining room, in the kitchen area, and outside the dining hall were satisfactory. There were considerable differences, however, in the ratings of satisfactory and unsatisfactory sanitary conditions from unit to unit. (The percentages of those rating satisfactory varied from 69% to 94%). The following components most probably entered into the judgments of "satisfactory" and "unsatisfactory" sanitation. Approximately 43% of our subjects said that in their dining hall, the cooks "never" or only "sometimes" had a clean and neat appearance, and approximately 59% of the sample said the KPs' appearances were "never" or only "sometimes" clean and neat. Approximately 20% of the soldiers reported that trays, silverware, dishes, and glasses were frequently dirty. Flies and other insects (especially cockroaches) were considered to be problems in some of the dining halls, but not in others. Similar findings held for such other problems as greasy smells, stuffiness, and stale odors in the dining hall. The results on sanitation were quite variable from facility to facility, indicating that some units were doing a good job on sanitation while others were lax in this respect.

Overcrowding

For all dining facilities, there were reports of their being "sometimes" overcrowded. For some facilities, there were reports of very "frequent" overcrowding, while for others overcrowding occurred only on an infrequent basis.

Noise Level

A large percentage of the respondents (78%) reported that at least "sometimes" the noise level in the dining hall was too high for a pleasant meal. This figure was quite consistent from unit to unit, indicating a rather general problem.

Obtaining and Eating the Meal

There was a great deal of variability in the amount of time that soldiers from various units reported having to wait in line to obtain their meals. The average wait was reported to be between 10 and 15 minutes, although for some units the wait was reported to be generally longer than 15 minutes and for others the wait was more on the average of 5 to 10 minutes. Seventy-five percent of the respondents considered the wait to be too long and 76% of the subjects said that they at least "sometimes" ate somewhere other than the dining hall because of the wait in line.

Almost all (98%) of the troops reported that they signed for their meals and that they did this before each meal.

The mean time allowed to eat the meal was greater than 20 minutes for all three meals, although for some facilities, the time was reported to be between 10 to 20 minutes for certain meals. A high percentage (breakfast-78%; midday-77%; and evening-94%) of the subjects felt they were given enough time to eat their meal once they had obtained it. It should be noted here, that some of the time constraints on eating may have been due to the respondent's sleeping habits, jobs, after-duty-hours habits or requirements, etc., rather than by restrictions imposed by dining hall personnel.

Personal-Social Factors

Almost 53% of the subjects reported that there were certain individuals or groups of individuals who made eating in the dining hall unpleasant at times. This percentage varied from 31% to 74%; however, it seems that many respondents (73%) did not skip meals at their dining hall because of these individuals.

A fairly large number of soldiers reported that they had certain regularly-scheduled activities that influenced whether or not they ate certain meals. Part-time jobs, recreational activities, and schooling accounted for some of these activities. The largest percentage of activities, however, fell into categories that were not easily grouped.

The respondents also felt there were unnecessary rules for behavior in the dining hall, which made eating there rather unpleasant. The rules and the percent of respondents who felt these rules were unnecessary are as follows:

Subjects	Rule
58	calling "at ease" when officers enter dining hall
53	signing for meals
52	permitting officers and NCOs to "cut" in line
41	separating the officers and NCOs from the EMs
34	imposing dress regulations for the dining hall
28	imposing time limits for eating
16	not allowing smoking

Likes and Dislikes about the Dining Hall

Particular "likes" about the dining hall and the percentage of soldiers expressing these "likes" are listed below.⁵

% Soldiers	"Like"
52	convenient location
51	free food
40	cleanliness
28	personnel easy to get along with
22	pleasant appearance
19	convenient times to eat
11	well-balanced meals
9	plenty to eat and drink
6	good food

About 25% of the soldiers reported there was "nothing" they "liked" about the dining hall.

Particular "dislikes" about the dining hall and the percentage of soldiers expressing these "dislikes" are listed below.⁵

% Soldiers	"Dislike"
73	waiting in line for meals
63	no second helpings
63	food not very good
62	not enough food served
60	silverware missing or inappropriate
58	military atmosphere
53	showing meal card

⁵ Note: The percentages do not add up to 100%, since each soldier was free to choose as many or as few "likes" or "dislikes" as he wanted.

% Soldiers	"Dislike"
53	not enough condiments available
50	food wasted
49	waiting outside
49	too many people in the dining hall
45	signing for meals
40	serving KP
36	dirty trays, plates, silverware
25	dining hall too noisy
22	harassed by dining hall personnel and NCOs
22	poor discipline of the men in the dining hall
21	dress and behavior regulations too strict
20	inconvenient eating hours

There were other "dislikes", but they were not reported by a large percentage of the soldiers. About 3% of the sample said there was "nothing" they "disliked" about the dining hall.

Soldier Preferences

Preferences in Dining Facilities

Approximately 62% of the soldiers preferred to have small dining halls designed for only a company of men to eat in. Only 13% of the soldiers felt they would like a larger facility, while the rest of the sample did not express a preference in this matter. It should be noted here that although all the dining halls sampled at Fort Lewis were of the "small" variety referred to in the question, 76% of the sample said that they had eaten in larger consolidated facilities which fed equivalent to more than one company. Thus, the preference for the smaller dining facility, at least for a large proportion of the men, was based on experience with both kinds of facilities.

The preferred hours of operation of the dining hall for each meal, with indication of the maximum hours of operation, are given below.

		Weekdays			Weekends		
	Breakfast	Midday	Evening	Breakfast	Midday	Evening	
Preferred hours	0630-0800	1115-1300	1630-1830	0800-1030	1130-1330	1630-1730	
Maximum hours	0630-0830	1100-1330	1615-1830	0800-1030	1115-1400	1600-1800	

It should be recognized that these are only recommendations based on the subjects' indications of preferred dining hall operating hours, and there was a great deal of variability in the soldiers' preferences. Certainly, operational requirements will necessitate modifications of these operating hours and certainly these hours may not be applicable to other facilities at Fort Lewis, who have personnel working different hours from the personnel in the sampled units.

Sixty-one percent of the subjects said they would like to have permission to eat at any dining hall on post, while 31% said it did not matter to them. This may reflect that the soldier's dining hall was not open during the appropriate hours for him, or it may reflect the soldier's belief that quality differences existed among dining facilities and permission to eat at any facility would permit him to seek out the "best" facility, or that he may have friends in another dining unit.

Ninety-six percent of the soldiers reported that they preferred to have their dining facility located in their barracks building or in a building adjacent to the barracks. Very few of the soldiers reported a preference for a facility located outside the immediate company area. Preferred interior decorations included music, curtains, tablecloths, decorative wall patterns, and brighter colors. About 44% of the sample said they would also like counters and booths. However, about 44% of the sample said that this did not matter to them. Thus, it appears that counters and booths were not disliked, but there was no strong liking for them either. Disliked interior decorations included military pictures and posters, flags, and trophies. There also appeared to be an overwhelming preference for 4-man tables (71%), as opposed to 1-, 2-, 3-, 5-, 6-, 7-or-more-man tables. Only about 46% of the respondents said they preferred china dishes to metal or plastic trays. There did not appear to be a strong dislike for trays, since about 36% of the soldiers said that they had no preference for trays or china.

In the area of the serving of the food, it would appear that the soldiers would, in general, prefer to serve themselves. This preference varied with the type of food item: the meat, dessert and beverage items were the items the soldiers would most like to serve themselves. However, the majority of the soldiers would also like to serve themselves the other items on the menu, such as the potato, vegetable, and salad items.

Most of the respondents said they would like to have music (86%) with their meals, or it did not matter whether music was provided (12%). Only 2% wanted no music at all. No one type of music stood out as a definite favorite, since most subjects reported they would like to have a variety of different types of music offered. Selection of different types of music should be made from the following: hard rock, popular, soul, rock and roll, and country and western.

The soldiers would also prefer to see stronger behavioral regulations concerning shouting, yelling, and horseplay in the dining hall. This was a rather consistent finding among all units, indicating that at present this may be a problem.

Specialty Food Type Preferences

The soldiers were permitted to choose their favorite food from a list of various specialty foods. The types of foods and the percentage of subjects who chose each as their favorite specialty food are listed below.

Food	Percent
Italian	31
Sea Food	22
Mexican-Spanish	13
Soul Food	10
Chinese	5
German	3
French	2
Japanese	1
Mideast, Greek	1
Indian	0
Jewish	0
Polynesian	0
Others	1
No preference among above	11
Dislike all the above	0

A special note should be made concerning Soul Food. It appears that Soul Food was liked as a first choice or not at all. Ten percent of the soldiers chose Soul Food as their favorite food, but only 4% chose it as their second favorite food, and less than 1% chose it as their third favorite food. This contrasts with a different type of food such as Mexican-Spanish food, which rated 13%, 23%, and 16% as the first, second, and third most favorite food respectively.

Snack Bars

There was a strong preference for the Army to operate snack bars where soldiers can go to obtain free snacks during off- and on-duty hours. Seventy-seven percent of the respondents were in favor of having these snack bars, while only 6% of the sample were against them. The remaining 17% didn't care whether they had them or not. However, it also appears that the soldiers wanted to have snack bars and not general-recreation or "hang-around" areas, since 49% of the sample said that personnel should be permitted to stay at these snack bars only as long as it takes them to eat, with only 30% feeling that no limit should be imposed on the amount of time that could be spent at the snack bar. As far as hours of operation were concerned, the responses to this question were quite varied, and it is difficult to make generalizations about when the snack bar would be most used. It appears, however, that operating hours of 0700-2400 on weekdays would accommodate about 95% of the personnel, and 0800-0100 on weekends would accommodate about 94% of the personnel. There was, however, a small but definite percentage of personnel (4% to 6%) that would like to have a snack bar available all night between 2400 and 0600 hours. These people would not be accommodated by the snack-bar hours recommended above.

IV. RESULTS — BASIC COMBAT TRAINEE UNITS

Background Information of Sample

The mean age, height, and weight of the trainees is presented below:

Average Age	Average Height	Average Weight
19.8 yrs.	5' 10"	160.3 lbs.

The distribution of civilian occupations among the trainees was as follows:

Occupations Prior to Joining the Army

Professional and Managerial	11%
Clerical and Sales	8%
Service Occupations	9%
Skilled Occupations	16%
Semiskilled Occupations	16%
Unskilled Occupations	16%
Students	17%
Unemployed	5%
No Answer, Indecipherable Answer	2%

Ninety percent of the sample was Caucasian, 6% Negro, and 4% were of other racial origin or failed to answer the question. Thirty-eight percent of the soldiers reported a preference for a Protestant faith⁶; 40% a preference for the Catholic faith; 9% a preference for another faith⁷; 11% reported no preference; and 2% failed to respond to the question.

Army Status and Attitudes

Army Status

Unless the trainee had been recycled, he had been in the Army less than 8 weeks and had a rank of E-1. About half (46%) of the sample had been drafted, and 20% had enlisted to avoid the draft. Most of the soldiers (70%) were not planning to re-enlist and make the Army a career; however, about 25% of the sample were undecided about whether or not they would re-enlist. All of the sample lived in the barracks and ate in their assigned dining halls. None of the trainees had yet been assigned a specialized MOS.

Attitude Toward the Army

The attitude of the trainee toward the Army was slightly below neutral on a 7-point rating scale (the rating given was 3.0, with "1-dislike very much", "4-neutral", and "7-like very much"). About 71% of the sample felt they had been fairly treated by the Army, although most trainees (64%) felt the Army was not using their talents effectively.

Attitudes Toward Dining Facilities

Eating Patterns and Eating Behavior

The BCTs estimated the number of meals they had eaten before they entered the Army, the number they ate while in the Army, regardless of where they ate them, and the number of meals they ate in their dining hall. The various estimates are presented in Table 3 below.¹

Table 3

Estimates of Meals Eaten by the BCT Soldiers

	Weekdays			Weekends		
	Breakfast	Midday	Evening	Breakfast	Midday	Evening
Prior to the Army	51%	91%	98%	57%	84%	93%
Anywhere while in the Army	95%	98%	96%	81%	94%	91%
In the dining hall	94%	90%	96%	79%	85%	88%

⁶See Footnote #2.

⁷See Footnote #3.

When the BCTs did not eat in their dining hall, they reported that they either skipped the meal or ate it at a PX snack bar on post. Since the BCTs ate a very large proportion of their meals in the dining hall, the frequency of their eating elsewhere was quite low. When meals were skipped, it may have been due to the soldier's not being hungry, since about 44% of the sample said that they "sometimes" skipped a meal because they were not hungry. But very few trainees reported that they ever skipped a meal because they thought they were gaining too much weight.

Variety of Normal Meals -- Weekdays and Weekends

The mean ratings of variety from day to day on a 7-point scale ranging from "1-no variety", to "4-about right", to "7-too much variety" were as follows:

	Weekdays	Weekends
Breakfast	2.7	2.7
Midday Meal	3.6	3.5
Evening Meal	3.9	3.6

Short-order ratings were not obtained from the BCTs because they did not have a short-order menu.

Food Quality and Preparation

The mean ratings on a 7-point scale with "1-unacceptable", "4-average", and "7-excellent" given for the quality of the food prior to preparation, the quality of the food after preparation, and the ability of the cooks were as follows:

Normal Meal	
Quality of food (prior to preparation)	4.0
Preparation of foods	3.7
Ability of the cooks	4.3
Cooks doing their job	4.2

The major food quality-defects were:

1. tough meats
2. excess fat, gristle, and tendon
3. fruits which were under-ripe

The major preparation-defects reported were:

1. undercooked foods
2. tough meats
3. tasteless and bland foods
4. cold (when should be hot)
5. greasy foods

Food Quantity

The ratings on a 7-point scale with "1-too little", "4-about right", and "7-too much" for the amount of food served were as follows:

Meat	Potatoes	Vegetables
2.6	4.1	3.6

These results indicate that the BCTs felt that an inadequate portion of the meat item was served, a slightly less than adequate portion of vegetables was served, and an adequate portion of potatoes was served. In agreement with these findings, about 54% of the trainees stated that they "often" or "always" left their dining hall feeling hungry. Although in their previous reports the BCTs implied that they were receiving inadequate amounts of food, there were some reports of the discarding of food. These are summarized as follows:

Potatoes	(often or always discarded - 23%)
Vegetables	(often or always discarded - 21%)
Salad	(often or always discarded - 8%)
Meat	(often or always discarded - 6%)
Dessert	(often or always discarded - 4%)
Beverage	(often or always discarded - 0%)

Sanitation

Approximately 94% of the trainees felt that sanitary conditions in the dining room, in the kitchen area, and outside the dining hall were satisfactory. About 76% of the sample said the cooks "often" or "always" had a clean and neat appearance and 68% felt the KPs "often" or "always" were clean and neat. Occurrences of dirty eating utensils and dishes were reported. The major problems appeared to be dirty trays ("often" or "always" dirty - 29%), dirty silverware ("often" or "always" dirty - 12%), and dirty dishes and glasses ("often" or "always" dirty - 8%). Less than 4% of the subjects reported any problems with insects, animals, etc., in their dining facility. There were also few reports of problems such as smells, stuffiness, or stale odors in the dining hall.

Overcrowding

Approximately 59% of the sample reported that the dining hall was "sometimes" overcrowded, and 32% said that their dining hall was "often" or "always" overcrowded.

Noise Level

Noise level did not appear to be too much of a problem in the BCT facilities. Approximately 66% of the soldiers said that the noise level was "never" too loud, and 27% said that it was only "sometimes" too loud.

Obtaining and Eating the Meal

The average wait in line to obtain the meal was reported to be between 10 and 15 minutes; 59% of the BCTs considered their average wait in line to be too long. The mean time to eat the meal was reported to be between 10 and 20 minutes for all three meals, although approximately 1/3 of the sample reported that they ate their meals in less than 10 minutes; about 45% of the sample felt they were given insufficient time to eat their meals.

Personal-Social Factors

The BCTs felt there were certain unnecessary behavioral rules for the dining hall that made eating there less pleasant than it could have been. The rules and the percent of respondents who felt these rules were unnecessary are as follows:

% Subjects	Rule
74	imposing time limits for eating
66	calling "at ease" when officers enter
47	not allowing smoking
42	signing for meals
38	permitting officers and NCOs to cut in line
18	imposing dress regulations for the dining hall
15	separating officers and NCOs from the EMs

Likes and Dislikes about the Dining Hall

Particular "likes" about the dining hall and the percentage of soldiers expressing these "likes" are given below:

% Soldiers	"Like"
75	cleanliness
72	convenient location
67	free food
43	pleasant appearance
28	well-balanced meals
26	personnel easy to get along with
19	good food
13	convenient times to eat
3	plenty to eat and drink

Ten percent of the BCTs said there was "nothing" that they "liked" about their dining hall.

Particular "dislikes" about the dining hall and the percentage of soldiers expressing these "dislikes" are listed below:

% Soldiers	"Dislike"
72	harassed by dining hall personnel and NCOs
70	not enough food served
65	not enough condiments
64	not enough time to eat
62	not permitting second helpings
60	waiting in line to obtain the meal
56	waiting outside to obtain the meal
52	military atmosphere
50	food wasted
46	serving on KP
41	dirty trays, plates, and silverware
33	food not very good
33	too many people eating in the dining hall
32	doing PT before and after meals
26	dress and behavior regulations too strict
25	silverware missing or inappropriate
25	showing meal card to obtain meal
20	officers and NCOs eating in the same dining hall

There were other "dislikes", but the percentage of soldiers expressing these dislikes was quite small. Seven percent of the BCTs said there was "nothing" that they "disliked" about their dining hall.

Soldier Preferences

Preferences in Dining Facilities

Approximately 63% of the BCTs preferred to have small dining halls designed for only a company to eat in. Only 7% of the sample expressed a desire for larger facilities, while the rest of the sample did not express a preference. However, most of the sample had never eaten in a larger dining hall (80%), so their preference was based only on having eaten in the smaller-sized facilities. Ninety-one percent of the BCTs preferred to have their dining hall located in the barracks building. Inside the dining hall, the preferred table size was 4 men per table (80%). The men also wanted brighter colors (66%), decorative wall patterns (73%), curtains (66%), tablecloths (71%), and music with meals (90%). Interior decorations such as military pictures, posters, flags, and trophies were not particularly liked, but for approximately 46% of the sample, it did not matter whether these decorations were used or not. Counters and booths were preferred by about 39% of the BCTs, while 35% of the soldiers did not state a definite preference for counters and booths. About 50% of the trainees expressed no preference for either china plates or metal or plastic trays. Only 17% held a definite preference for chinaware instead of trays.

In general, it appears that the soldiers would prefer to serve their own food. This preference varied with the type of food item: the meat, dessert, and beverage items were the items the soldiers would most like to serve themselves.

Preferences for the choice of music to be played in the dining hall were quite varied, and there seemed to be no one favorite type of music (with perhaps, the exception of hard rock, which was preferred by 14% of the sample); the most consistent preference (39%) was for a variety of types of music. A majority of the subjects (53%) would also like to see rules initiated to prevent shouting and yelling in the dining hall.

Specialty Food Type Preferences

The soldiers were permitted to choose their favorite food from a list of various specialty foods. The types of foods and the percentage of subjects who chose each as their favorite specialty food are listed below:

Food	Percent ⁸
Italian	43
Sea Food	19
Mexican-Spanish	8
Soul Food	5
Chinese	4
German	3

Food	Percent ⁸
French	1
Indian	1
Japanese	0
Jewish	0
Mideast, Greek	0
Polynesian	0
Others	2
No preference among above	12
Dislike all the above	1

V. CONCLUSION

Although the sample was drawn entirely from Fort Lewis, Washington, the background data indicate that many regions of the United States and many different types of backgrounds were represented. On this basis, it appears justifiable to assume that the subjects' responses which were not specifically related to a particular situation at Fort Lewis may be quite representative of what we may expect to find if we were to obtain an Army-wide sample. For example, we would expect this sample to be quite representative of attitudes toward the Army, career plans, food preferences, likes and dislikes, etc. However, for topics such as specific dining hall sanitation, food preparation, operating hours, etc., and other areas which are specific to the men's dining halls and duties at Fort Lewis, we would expect the results to apply only to Fort Lewis dining facilities. It is likely, however, that we would find similar results in these areas from other DOD service installations which have conditions and facilities similar to those at Fort Lewis.

Our TDA and TOE soldier was not very happy with his status in the Army, and had no particular desire to make the Army his career. He also did not consider the quality of the Army's food-service system to be very good. It is very likely that these are not independent feelings. The soldier's dislike for the Army food-service system could very well contribute to his dislike for the Army, and vice versa. However, we have no way of knowing from our questionnaire how much the food-service system contributed to the man's opinion of the Army or how his attitude toward the Army affected his opinion of the dining hall. Thus, at the present time, we have no way of knowing whether changes in the food-service system would have any effect on the soldier's general attitude toward the Army. It is also possible that the soldier's dislike for the Army was the overriding issue and biased his attitude toward the food and the dining situation. If this was the case, it is likely that he would still be dissatisfied with even the finest of dining facilities. It should be noted that the BCT's attitude toward the Army was slightly better than that of the TDA and TOE troops. Likewise, the BCT was more satisfied with his dining hall than was the TDA and TOE soldier.

⁸Note: Percentages do not add up to 100% because of round-off error.

If we assume that the soldier had legitimate complaints about his dining hall, then the most frequent complaints were food-related, i.e., poor quality, poor preparation, and lack of sufficient quantity. Other major complaints were waiting in line for meals, the military atmosphere of the mess halls, missing or inappropriate silverware, wasted food, waiting outside for meals, crowded mess halls, signing for meals, and KP. Although soldiers expressed a preference for bright, cheerful facilities, this did not appear to be the significant factor in their decision either to eat or not to eat in their dining halls. Similarly, complaints about sanitation, in comparison to complaints about food, were at a relatively low rate (but rather high on an absolute scale), and did not seem to be the major concern of the soldiers.

The conclusion could be drawn that an improvement of the quality, preparation, and quantity of the food would be all that is necessary to draw the military customer back into the dining hall. Indeed it may be. But we have no way of knowing without an empirical test. The eating situation may well be an interactive one in which all factors, including attitude toward the Army, influence eating behavior.

APPENDIX 1
DINING FACILITIES QUESTIONNAIRE

DINING FACILITIES QUESTIONNAIRE

This questionnaire is being sponsored by the U.S. Army Natick Laboratories, Natick, Massachusetts. Its purpose is for you to tell us your opinions of your mess hall and to suggest changes you would like to see take place in the Army Food Service System.

The Army is required to furnish you with free and nutritious meals during your stay in the Army. However, you have probably heard the old story, "You can lead a horse to water, but you can't make him drink." This expresses exactly our problem; our current figures show that less than 60% of our free meals are being eaten by our soldiers (YOU!) We want to do better than that. Our goal is to furnish you with improved feeding service with better quality meals, better variety of meals, more selection of meals at each mealtime, increased serving hours, and more pleasant surroundings. We believe we can do a better job than we are doing now, and can encourage higher attendance by doing more things right.

The information that you give us in this questionnaire will be used to plan and suggest changes in the Army Food Service System. We would like you to read and answer the questions very carefully, since your answers will help to determine changes that may be made in your mess hall and in mess halls at other Army Posts. The success of this survey rests on your honesty and cooperation.

The instructions for the questionnaire follow. Please read them very carefully. As you are answering the questionnaire we will go over it with you to help you with the more difficult questions.

Instructions

Write your name only on the first page of the questionnaire where you are asked to do so. **Do not** write your name on any other page. Your reply to this questionnaire is confidential in nature, and we are not going to attach names to responses. When your questionnaire is turned in, the first page with your name on it will be removed and replaced with a code number. These code numbers will not be made available to anyone; even you will not be able to see or change your answers once you have handed in the questionnaire.

You will answer most of the questions by circling the number of the answer that you choose and then placing that number on the line at the right hand side of the question. **Remember, you circle the number of your answer, and then place that number on the line at the right hand side of the question.** Please be sure that you use the proper answer line for each question. Ignore the numbers that are under each line. These are numbers to be used for computer coding of your answers and you don't have to do anything with them.

Most of the questions require that you give only one answer. Please do not give more than one answer unless the question tells you to do so.

An example of one of these types of questions is:

How often do you skip breakfast because you are not hungry? Circle the number of your answer.

1. Never
2. Sometimes
3. Often
4. Always

4.59

If you sometimes skip breakfast because you are not hungry, you would circle the 2 for "Sometimes" and place "2" on the line to the right.

Your answer would then look like this:

How often do you skip breakfast because you are not hungry? Circle the number of your answer.

1. Never
- ② 2. Sometimes
3. Often
4. Always

2
4.59

There are some questions which use an answer scale which you may not have seen before. An example of one of these types of questions is:

What is your opinion of the quality of the preparation of the vegetables in your mess hall? Circle the number of your answer and then place it on the line at the right.

1	2	3	4	5	6	7	
Unacceptable (I can't eat them)			Average			Excellent (Could not be better)	<u>3.12</u>

If you feel that preparation of the vegetables is quite good, but not excellent, you would circle the number 6 and place it on the line at the right. Your answer would then look like this:

1	2	3	4	5	⑥	7	
Unacceptable (I can't eat them)			Average			Excellent (Could not be better)	<u>6</u> 3.12

If you feel that preparation is slightly below average, you would circle the number 3 and place it on the line at the right. Feel free to choose any one of the numbers; there is no right answer. However, remember to choose only one of the numbers. Read these questions very carefully before you answer.

The questionnaire begins on the next page. Please do not start answering questions until we tell you to begin.

If you have difficulty with any question, please raise your hand and someone will come to your assistance.

Name: _____
Last First M.I. 1.01, 1.02, 1.03

Meal Card Number: _____

Unit: _____

Job in the Army: _____

Previous job before you entered the Army: _____

Religious Preference: _____

Race: _____

Height (in inches): _____

Weight (in pounds): _____

DINING FACILITIES QUESTIONNAIRE

Instructions for all Questions: For each question, circle the number for your answer and then place this number on the line to the right of the question. Certain questions have specific instructions associated with them. Please read these instructions carefully.

Your age at last birthday: Place your age on the line at the right.

1.06, 1.07

Circle the number which indicates your highest level of education.

1. Some Grade School
2. Finished Grade School
3. Some High School
4. High School Graduate
5. Skilled Job Training
6. Some College
7. College Graduate
8. Beyond College

1.08

In all, how many months have you been in the Army? Place the number of months on the line at the right.

1.09, 1.10

Are you career Army? Circle the number of your answer.

1. Yes
2. No
3. Undecided

1.11

Where did you spend most of the time before you entered the Service? Circle the number of your answer.

1. On a farm.
2. In the country, but not on a farm.
3. In a town with less than 2,500 people
4. In a town or small city with 2,500, but less than 25,000 people.
5. In a city with 25,000, but less than 100,000 people.
6. In a large city with 100,000, but less than one million people.
7. In a very large city with over one million people.
8. In a suburb of a large or very large city.

1.12

In what region did you live the longest time before you entered the service?

Circle the number of your answer.

01. Northwest (Oreg., Wash., Idaho)
02. Rocky Mts. (Nev., Colo., Wyo., Utah, Mont.)
03. South Central (Texas, La., Okla., Ark.)
04. Southwest (Calif., N. Mex, Ariz.)
05. Great Plains (Mo., Iowa, Kans., Nebr.)
06. North Central (N. Dak., S. Dak., Minn.)
07. Middle West (Ill., Ind., Ohio, Wis., Mich).
08. Southeast (Miss., Ala., Tenn., Fla., N.C., S.C., Va., Ga., Ky.)
09. East Central (Pa., N.Y., N.J., Del., W. Va., Md.)
10. New England (Maine, Mass., N.H., Vt., R.I., Conn.)
11. Alaska or Hawaii
12. Other U.S. territories or possessions (For example, Puerto Rico or Virgin Islands)
13. Outside the U.S. or U.S. territories or possessions.

1.13, 1.14

What is your marital status? Circle the number of your answer.

1. I have never been married.
2. I am married.
3. I am divorced and not remarried.
4. I am legally separated.
5. I am a widower.

1.15

Circle the number which indicates your present grade.

1. E-1
2. E-2
3. E-3
4. E-4
5. E-5
6. E-6
7. E-7
8. E-8
9. E-9

1.16

Are you living in troop barracks at the present time? Circle the number of your answer.

1. Yes
2. No

1.17

Do you receive a separate rations allowance? Circle the number of your answer.

1. Yes
2. No

1.18

In which mess hall do you eat? (Give the building number on the line at the right.) 1.19—1.23

How many months have you been eating in this mess hall? Place the number of months on the line at the right. 1.24, 1.25

During a typical week, which meals do you eat, *regardless of where you eat them*? Place a check (✓) in the box for each meal that you typically eat. If you have "brunch" on Saturdays and Sundays, consider it to be a mid-day meal.

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
Breakfast	1.26	1.27	1.28	1.29	1.30	1.31	1.32
Mid-day Meal	1.33	1.34	1.35	1.36	1.37	1.38	1.39
Evening Meal	1.40	1.41	1.42	1.43	1.44	1.45	1.46

During a typical week, which meals do you eat *at your mess hall*? Place a check (✓) in the box for each meal that you typically eat. If you have "brunch" on Saturdays and Sundays, consider it to be a mid-day meal.

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
Breakfast	1.47	1.48	1.49	1.50	1.51	1.52	1.53
Mid-day Meal	1.54	1.55	1.56	1.57	1.58	1.59	1.60
Evening Meal	1.61	1.62	1.63	1.64	1.65	1.66	1.67

Before you entered the Army, which meals did you usually eat? Place a check (✓) in the box for each meal that you typically ate. If you ate "brunch" on Saturdays or Sundays, consider it to be a mid-day meal.

	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
Breakfast	1.68	1.69	1.70	1.71	1.72	1.73	1.74
Mid-day Meal	1.75	1.76	1.77	1.78	1.79	1.80	2.06
Evening Meal	2.07	2.08	2.09	2.10	2.11	2.12	2.13

When you do not eat in the mess hall, where do you eat? Indicate how often by circling one number in each line.

	<u>Never</u>	<u>Sometimes</u>	<u>Often</u>	<u>Always</u>	
a. I skip the meal	1	2	3	4	a. <u> </u> 2.14
b. Girlfriend's house	1	2	3	4	b. <u> </u> 2.15
c. Home	1	2	3	4	c. <u> </u> 2.16
d. Friend's house	1	2	3	4	d. <u> </u> 2.17
e. Relatives	1	2	3	4	e. <u> </u> 2.18
f. Off-post diner, snack bar, or drive-in	1	2	3	4	f. <u> </u> 2.19
g. Off-post quality restaurant	1	2	3	4	g. <u> </u> 2.20
h. Bar or tavern (with alcoholic beverages)	1	2	3	4	h. <u> </u> 2.21
i. PX snack bar on your post	1	2	3	4	i. <u> </u> 2.22
j. PX snack bar on a nearby post	1	2	3	4	j. <u> </u> 2.23
k. NCO service club on your post	1	2	3	4	k. <u> </u> 2.24
l. NCO service club on a nearby post	1	2	3	4	l. <u> </u> 2.25
m. PX donut shop	1	2	3	4	m. <u> </u> 2.26
n. EM club	1	2	3	4	n. <u> </u> 2.27
o. Other (write it below and place the appropriate number on the line at the right.)	1	2	3	4	o. <u> </u> 2.28

Consider the *normal meals* that you are served at your mess hall (excluding the short order) during the *weekdays* (Monday thru Friday). Tell us your opinion of the variety of these meals *from day to day*. Circle the appropriate number for:

a. Breakfast:

1	2	3	4	5	6	7	a. <u>2.29</u>
No variety			About right			Too much variety	

b. Mid-day Meal:

1	2	3	4	5	6	7	b. <u>2.30</u>
No variety			About right			Too much variety	

c. Evening Meal:

1	2	3	4	5	6	7	c. <u>2.31</u>
No variety			About right			Too much variety	

Now consider only the *normal meals* you are served at your mess hall (excluding the short order) for a typical *weekend* (Saturday and Sunday). Tell us your opinion of the variety of these meals *from weekend to weekend*. Circle the appropriate number for:

a. Breakfast:

1	2	3	4	5	6	7	a. <u>2.32</u>
No variety			About right			Too much variety	

b. Mid-day Meal:

1	2	3	4	5	6	7	b. <u>2.33</u>
No variety			About right			Too much variety	

c. Evening Meal:

1	2	3	4	5	6	7	c. <u>2.34</u>
No variety			About right			Too much variety	

If you have a *short order line* available in your mess hall, answer the following. Tell us your opinion of the variety of the *short order* menu only from day to day. Circle the appropriate number.

a. *For the weekdays* (Monday thru Friday):

1	2	3	4	5	6	7	a. <u> </u>
No variety			About right			Too much variety	2.35

b. *For the weekends* (Saturdays and Sundays only):

1	2	3	4	5	6	7	b. <u> </u>
No variety			About right			Too much variety	2.36

What is your opinion of the *preparation* of the food in your mess hall for the *normal meal* only? (Exclude the short order meal.) Circle the appropriate number.

1	2	3	4	5	6	7	<u> </u>
Unacceptable (I can't eat it)			Average			Excellent (could not be better)	2.37

Answer the following only if you have a short order line in your mess hall. What is your opinion of the *preparation* of the food in the *short order line*? Circle the appropriate number.

1	2	3	4	5	6	7	<u> </u>
Unacceptable (I can't eat it)			Average			Excellent (could not be better)	2.38

Is the food in your mess hall ever: (Circle one number in each line).

	<u>Never</u>	<u>Sometimes</u>	<u>Often</u>	<u>Always</u>	
a. Overcooked	1	2	3	4	a. <u>2.39</u>
b. Undercooked	1	2	3	4	b. <u>2.40</u>
c. Cold	1	2	3	4	c. <u>2.41</u>
d. Tasteless or bland	1	2	3	4	d. <u>2.42</u>
e. Burned	1	2	3	4	e. <u>2.43</u>
f. Dried out	1	2	3	4	f. <u>2.44</u>
g. Greasy	1	2	3	4	g. <u>2.45</u>
h. Tough	1	2	3	4	h. <u>2.46</u>
i. Too spicy	1	2	3	4	i. <u>2.47</u>
j. Raw	1	2	3	4	j. <u>2.48</u>
k. Still frozen	1	2	3	4	k. <u>2.49</u>
l. Too salty	1	2	3	4	l. <u>2.50</u>

What is your opinion of the *quality of the food itself*, that is, aside from the preparation. Circle the number of your answer.

1	2	3	4	5	6	7	<u>2.51</u>
Unacceptable			Average			Excellent	

Do you ever find that the food in you mess hall is, or has: (Circle one number in each line.)

	<u>Never</u>	<u>Sometimes</u>	<u>Often</u>	<u>Always</u>	
a. Gristle or tendon	1	2	3	4	a. <u> </u> 2.52
b. Excess fat	1	2	3	4	b. <u> </u> 2.53
c. Stringy	1	2	3	4	c. <u> </u> 2.54
d. Tough	1	2	3	4	d. <u> </u> 2.55
e. Damaged or bruised (e.g., fruit or vegetables)	1	2	3	4	e. <u> </u> 2.56
f. Over-ripe fruit	1	2	3	4	f. <u> </u> 2.57
g. Under-ripe fruit	1	2	3	4	g. <u> </u> 2.58
h. Stale	1	2	3	4	h. <u> </u> 2.59
i. Old looking	1	2	3	4	i. <u> </u> 2.60
j. Sour (e.g., milk)	1	2	3	4	j. <u> </u> 2.61
k. Spoiled	1	2	3	4	k. <u> </u> 2.62
l. Off-flavor or odor	1	2	3	4	l. <u> </u> 2.63

Answer the following questions for the *normal meal* only. Exclude the short order meal. Circle the number of your answer.

a. What is your opinion of the amount of meat served:

1	2	3	4	5	6	7	a. <u> </u>
Too little			About right			Too much	2.64

b. What is your opinion of the amount of vegetables served:

1	2	3	4	5	6	7	b. <u> </u>
Too little			About right			Too much	2.65

c. What is your opinion of the amount of potatoes served:

1	2	3	4	5	6	7	c. <u> </u>
Too little			About right			Too much	2.66

Do you ever leave your mess hall hungry? Circle the number of your answer.

1. Never	
2. Sometimes	<u>2.67</u>
3. Often	
4. Always	

Do you ever skip a meal at your mess hall because you are not hungry?
Circle the number of your answer.

1. Never	
2. Sometimes	
3. Often	<u>2.68</u>
4. Always	

Do you ever skip a meal at your mess hall because you think you are gaining too much weight? Circle the number of your answer.

1. Never
2. Sometimes
3. Often
4. Always

2.69

Do you serve yourself or do the mess hall personnel serve you the following items? Circle the letter of the items which you serve yourself and place the number "1" for those items on the corresponding line to the right.

- a. Meat item
- b. Potatoes
- c. Vegetables
- d. Salad
- e. Dessert
- f. Beverage

a. 2.70

b. 2.71

c. 2.72

d. 2.73

e. 2.74

f. 2.75

If you had your choice, which of the following items would you prefer to serve yourself? Circle the letter of those items which you would *prefer* to serve yourself and place the number "1" for those items on the corresponding line to the right.

- a. Meat item
- b. Potatoes
- c. Vegetables
- d. Salad
- e. Dessert
- f. Beverage

a. 2.76

b. 2.77

c. 2.78

d. 2.79

e. 2.80

f. 3.06

Do you ever not eat or throw away any of the food which you are served in your mess hall? Circle one number for each meal item below:

	<u>Never</u>	<u>Sometimes</u>	<u>Often</u>	<u>Always</u>	
a. Meat item	1	2	3	4	a. <u> </u> 3.07
b. Potatoes	1	2	3	4	b. <u> </u> 3.08
c. Vegetables	1	2	3	4	c. <u> </u> 3.09
d. Salad	1	2	3	4	d. <u> </u> 3.10
e. Dessert	1	2	3	4	e. <u> </u> 3.11
f. Beverage	1	2	3	4	f. <u> </u> 3.12

If you do throw food away or not eat any of the food, tell us how much of each item. Circle one number for each meal item below:

Amount not eaten or thrown away					
	<u>None</u>	<u>A little</u>	<u>A lot</u>	<u>All</u>	
a. Meat item	1	2	3	4	a. <u> </u> 3.13
b. Potatoes	1	2	3	4	b. <u> </u> 3.14
c. Vegetables	1	2	3	4	c. <u> </u> 3.15
d. Salad	1	2	3	4	d. <u> </u> 3.16
e. Dessert	1	2	3	4	e. <u> </u> 3.17
f. Beverage	1	2	3	4	f. <u> </u> 3.18

What is your opinion of the ability of the cooks in your mess hall? Circle the appropriate number.

1	2	3	4	5	6	7	<u> </u>
Very poor			Average			Excellent	3.19

Do you think the cooks in your mess hall are doing their job to the best of their ability? Circle the appropriate number.

1	2	3	4	5	6	7	
No,						Yes,	
definitely						very much	3.20
not						so	

Do you consider the sanitary conditions in the *dining room* of your mess hall to be satisfactory or unsatisfactory? Circle the number of your answer.

1. Satisfactory	3.21
2. Unsatisfactory	

Do you consider the sanitary conditions of the *kitchen area* of your mess hall to be satisfactory or unsatisfactory? Circle the number of your answer.

1. Satisfactory	3.22
2. Unsatisfactory	

Do you consider the sanitary conditions of the *outside* of your mess hall to be satisfactory or unsatisfactory? Circle the number of your answer.

1. Satisfactory	3.23
2. Unsatisfactory	

Do you ever find the following in your mess hall? Circle one number in each line.

	<u>Never</u>	<u>Sometimes</u>	<u>Often</u>	<u>Always</u>	
a. Dirty silverware	1	2	3	4	a. <u> </u> 3.24
b. Dirty trays	1	2	3	4	b. <u> </u> 3.25
c. Dirty dishes and glasses	1	2	3	4	c. <u> </u> 3.26
d. Dirty floors	1	2	3	4	d. <u> </u> 3.27
e. Dirty tables and chairs	1	2	3	4	e. <u> </u> 3.28
f. Dirty dispensing devices	1	2	3	4	f. <u> </u> 3.29

Do the cooks in your mess hall have a clean and neat appearance? Circle the number of your answer.

1. Never
2. Sometimes
3. Often
4. Always

3.30

Do the KPs have a clean appearance in your mess hall? Circle the number of your answer.

1. Never
2. Sometimes
3. Often
4. Always

3.31

Circle the letter of those items below which you think are a problem in your mess hall and place the number "1" for those items on the corresponding line to the right.

a. Flies

a. 3.32

b. Cockroaches

b. 3.33

c. Ants

c. 3.34

d. Mice

d. 3.35

e. Rats

e. 3.36

f. Dogs

f. 3.37

g. Cats

g. 3.38

h. Other (write it below and place a "1" on the line at the right)

h. 3.39

Where in your mess hall located? Circle the number of your answer.

1. Within the same building as the barracks.
2. In a separate building adjacent to the barracks.
3. In a separate building outside the company (or troop) area, but within walking distance (1-2 blocks).
4. In a separate building outside the company (or troop) area, but not within walking distance (greater than 3-4 blocks).

3.40

Where is your military job located? Circle the number of your answer.

1. Within the barracks building.
2. Within the company (or troop) area.
3. Outside the company (or troop) area, but within walking distance (1-2 blocks).
4. Outside the company (or troop) area, and not within walking distance (greater than 3-4 blocks).
5. It changes from day to day.

3.41

How do you usually get to and from your military job? Circle the number of your answer.

1. Walk
 2. Drive my car
 3. Ride with a friend
 4. Post bus service
 5. Hitchhike
 6. Other (write it here and place the number "6" on the line at the right.)
-

3.42

Where would you prefer your mess hall? Circle the number of your answer.

1. Within the barracks building.
2. In a separate building adjacent to the barracks.
3. In a separate building outside the company (or troop) area, but within walking distance (2-3 blocks).
4. In a separate building outside the company (or troop) area, but not within walking distance (greater than 3-4 blocks).

3.43

Are there any groups of people who eat in the mess hall at certain times which make it unpleasant for you to eat there? Circle the number of your answer.

1. Yes
2. No

3.44

Do you avoid eating meals or skip meals when these people are eating in the mess hall? Circle the number of your answer.

1. Yes
2. No

3.45

During what hours is your mess hall open? Fill in the hours.

Weekdays: *Monday to Friday*

Breakfast : _____ hours to _____ hours

Mid-day meal : _____ hours to _____ hours

Evening meal : _____ hours to _____ hours

Weekends: *Saturday and Sunday*

Breakfast : _____ hours to _____ hours

Mid-day meal : _____ hours to _____ hours

Evening meal: _____ hours to _____ hours

What hours would you like it to be open for your convenience? Fill in the hours.

Weekdays: Monday to Friday

Breakfast: _____ hours to _____ hours

Mid-day meal: _____ hours to _____ hours

Evening meal: _____ hours to _____ hours

Weekends: Saturday and Sunday

Breakfast: _____ hours to _____ hours

Mid-day meal: _____ hours to _____ hours

Evening meal: _____ hours to _____ hours

How long do you usually have to wait in line to get a meal? Circle the number of your answer.

1. I never have to wait in line.
2. I wait between one and five minutes
3. I wait between five and ten minutes.
4. I wait between ten and fifteen minutes.
5. I wait longer than fifteen minutes.

3.46

Do you think the wait is too long? Circle the number of your answer.

1. Yes
2. No

3.47

How often do you eat somewhere other than your mess hall because the wait in line at your mess hall is too long? Circle the number of your answer.

1. Never
2. Sometimes
3. Often
4. Always

3.48

Once you arrive at the mess hall, how much time are you given to eat?
Place a (✓) check in the appropriate box for each meal and transfer the
number in that box to the corresponding line at the right for each meal.

	Less than 10 minutes	10-20 minutes	More than 20 minutes	
a. Breakfast	1	2	3	a. <u>3.49</u>
b. Mid-day meal	1	2	3	b. <u>3.50</u>
c. Evening meal	1	2	3	c. <u>3.51</u>

Are you given enough time to eat breakfast? Circle the number of your
answer.

- | | |
|--------|-------------|
| 1. Yes | <u>3.52</u> |
| 2. No | |

Are you given enough time to eat the mid-day meal? Circle the number
of your answer.

- | | |
|--------|-------------|
| 1. Yes | <u>3.53</u> |
| 2. No | |

Are you given enough time to eat the evening meal? Circle the number
of your answer.

- | | |
|--------|-------------|
| 1. Yes | <u>3.54</u> |
| 2. No | |

Do you have any activity which regularly influences whether or not you eat a certain meal? Circle the number of your answer.

1. Yes
2. No

3.55

If "yes", what are these activities? Circle the letter of your answers and place the number "1" for those items on the corresponding line to the right.

- a. Part-time job
- b. Regularly scheduled recreational activity (for example, you belong to a regular bowling or baseball league).
- c. Going to school
- d. Other (Name the activity here and place a "1" on the line at the right)

a._____
3.56

b._____
3.57

c._____
3.58

d._____
3.59

What things do you *particularly like* about your mess hall? Indicate as many items as you want by circling their respective letters and place the number "1" for those items on the corresponding line to the right.

- a. Nothing
- b. Its convenient location
- c. It offers convenient times to eat
- d. The food is free
- e. There is plenty to eat and drink
- f. The food is good
- g. The mess hall personnel are easy to get along with
- h. The meals are well-balanced
- i. The mess hall has a pleasant appearance

a._____
3.60

b._____
3.61

c._____
3.62

d._____
3.63

e._____
3.64

f._____
3.65

g._____
3.66

h._____
3.67

i._____
3.68

(Continued on next page)

j. The mess hall is clean

j. 3.69

k. Other (write it here and place a "1" on the line at the right.)

k. 3.70

What things do you *particularly dislike* about the mess hall? Indicate as many items as you want by circling their respective letters and place the number "1" for those items on the corresponding line to the right.

a. Nothing

a. 3.71

b. There is not enough food served

b. 3.72

c. Second helpings are not permitted

c. 3.73

d. There is food wasted

d. 3.74

e. The discipline of the men in the mess hall is poor

e. 3.75

f. Serving on KP

f. 3.76

g. Signing for the meals

g. 3.77

h. Signing more than one sign-up sheet at a time

h. 3.78

i. Waiting in line to be served

i. 3.79

j. Waiting outside to be served

j. 3.80

k. The food is not very good

k. 4.06

l. The military atmosphere

l. 4.07

m. The mess hall is dirty

m. 4.08

n. The mess hall is old and dingy -- not modern

n. 4.09

(Continued on next page)

- | | |
|--|-----------------|
| o. There are not enough condiments (ketchup, mustard, steak sauce, spices, etc.) on the tables | o. <u>4.10</u> |
| p. The silverware is often missing or of the inappropriate size. | p. <u>4.11</u> |
| q. The trays, plates and silverware are often dirty | q. <u>4.12</u> |
| r. Having to use plastic cups rather than china | r. <u>4.13</u> |
| s. The eating hours are inconvenient | s. <u>4.14</u> |
| t. You are not given enough time to eat your meal | t. <u>4.15</u> |
| u. Too many people eat in the mess hall for its size | u. <u>4.16</u> |
| v. The dress and behavior regulations are too strict | v. <u>4.17</u> |
| w. Showing your meal card before you can be served | w. <u>4.18</u> |
| x. The separation of Officers and NCOs from the EMs | x. <u>4.19</u> |
| y. Officers and NCOs eating in the same mess | y. <u>4.20</u> |
| z. Doing PT before and after meals | z. <u>4.21</u> |
| aa. Being harrassed by NCOs and mess personnel | aa. <u>4.22</u> |
| bb. The mess hall is too noisy | bb. <u>4.23</u> |
| cc. The mess hall is either too warm or too cold | cc. <u>4.24</u> |
| dd. Other (write it here and place a "1" on the line at the right.) | dd. <u>4.25</u> |

Do you eat more, the same number, or fewer meals in the mess hall at the end of the month as compared to the beginning of the month? Circle the number of your answer.

- | | |
|--------------------|---------------|
| 1. More | <u> </u> |
| 2. The same number | 4.26 |
| 3. Fewer | |

What size mess hall do you prefer? Circle the number of your answer.

1. A company size mess hall similar to your present one.
2. A larger central mess hall which several companies would use.
3. It doesn't matter.

4.27

Have you ever eaten in a larger central mess hall? Circle the number of your answer.

1. Yes
2. No

4.28

Are you required to sign for your meals? Circle the number of your answer.

1. Yes
2. No
3. Sometimes

4.29

If you are required to sign for meals, when do you do it? Circle the number of your answer.

1. Before each meal.
2. I sign for all meals of the day at one time.
3. It varies from day to day.

4.30

Do the people you work with eat in your mess hall? Check (✓) in the appropriate box for each meal and transfer the number in that box to the corresponding line to the right.

	All of them	Most of them	Some of them	None of them
a. Breakfast	1	2	3	4
b. Mid-day meal	1	2	3	4
c. Evening meal	1	2	3	4

a. 4.31

b. 4.32

c. 4.33

If your fellow workers do not eat in your mess hall, where do they eat?
 Circle the letter(s) of your answer(s) and place the number "1" for those
 answers on the corresponding line.

- | | |
|--|----------------|
| a. Other mess halls | a. <u>4.34</u> |
| b. PX snack bar, Post cafeteria | b. <u>4.35</u> |
| c. Snack lunch | c. <u>4.36</u> |
| d. Live off post and eat at home | d. <u>4.37</u> |
| e. Off post restaurants | e. <u>4.38</u> |
| f. Other (write it here and place a "1" on the line at the right.) | f. <u>4.39</u> |

Is your mess hall ever: (Circle the number of your answer in each row
 below.)

- | | <u>Never</u> | <u>Sometimes</u> | <u>Often</u> | <u>Always</u> | |
|-------------------------------------|--------------|------------------|--------------|---------------|----------------|
| a. Too cold | 1 | 2 | 3 | 4 | a. <u>4.40</u> |
| b. Too warm | 1 | 2 | 3 | 4 | b. <u>4.41</u> |
| c. Stuffy | 1 | 2 | 3 | 4 | c. <u>4.42</u> |
| d. Smoky | 1 | 2 | 3 | 4 | d. <u>4.43</u> |
| e. Full of steam | 1 | 2 | 3 | 4 | e. <u>4.44</u> |
| f. Full of unpleasant food
odors | 1 | 2 | 3 | 4 | f. <u>4.45</u> |
| g. Full of stale odors | 1 | 2 | 3 | 4 | g. <u>4.46</u> |
| h. Full of greasy smells | 1 | 2 | 3 | 4 | h. <u>4.47</u> |

What size tables would you like to see in your mess hall? Circle *one* number.

1. One man per table
2. Two men per table
3. Three men per table
4. Four men per table
5. Five men per table
6. Six men per table
7. Seven or more men per table

4.48

Is your mess hall ever too crowded with people? Circle the number of your answer.

1. Never
2. Sometimes
3. Often
4. Always

4.49

What type of changes in appearance would you like or not like in your mess hall? Answer by circling either 1 for "like", 2 for "not like", or 3 for "doesn't matter."

	<u>Like</u>	<u>Not like</u>	<u>Doesn't matter</u>	
a. Military pictures and posters	1	2	3	a. <u>4.50</u>
b. Flags	1	2	3	b. <u>4.51</u>
c. Trophies	1	2	3	c. <u>4.52</u>
d. Brighter Colors	1	2	3	d. <u>4.53</u>
e. More decorative wall patterns	1	2	3	e. <u>4.54</u>
f. Curtains	1	2	3	f. <u>4.55</u>
g. Tablecloths	1	2	3	g. <u>4.56</u>
h. Music with meals	1	2	3	h. <u>4.57</u>
i. Counters and booths	1	2	3	i. <u>4.58</u>
j. Other (write it below and place the appropriate number on the line at the right.)	1	2	3	j. <u>4.59</u>

Would you rather use china plates instead of compartmentalized metal or plastic trays? Circle the number of your answer.

1. Yes
2. No
3. Doesn't matter

4.60

Is the noise level in your mess hall so loud that it is unpleasant for you? Circle the number of your answer.

1. Never
2. Sometimes
3. Often
4. Always

4.61

What type of music would you prefer in the mess hall? Circle *one* number.

01. None
02. Hard rock
03. Soul
04. Popular
05. Rock and roll
06. Jazz
07. Instrumental
08. Classical
09. Country western
10. A variety of the above
11. Other (write it here and place the number "11" on the line at the right.)

4.62, 4.63

Circle the letter of any rules for behavior in the mess hall, listed below, which you believe are *unnecessary*; and place a "1" for those rules on the corresponding line to the right.

- | | |
|--|----------------|
| a. Separation of NCOs and officers from EMs | a. <u>4.64</u> |
| b. Time limits for eating | b. <u>4.65</u> |
| c. Officers and NCOs cutting in line | c. <u>4.66</u> |
| d. Dress regulations | d. <u>4.67</u> |
| e. No smoking | e. <u>4.68</u> |
| f. Calling "at ease" when officers enter | f. <u>4.69</u> |
| g. Signing for meals | g. <u>4.70</u> |
| h. Other (write it here and place a "1" on the line at the right.) | h. <u>4.71</u> |

Circle the letter of any rules for behavior listed below which you would like to see *instituted or enforced* in your mess hall, and place the number "1" for those rules on the corresponding line to the right.

- | | |
|---|----------------|
| a. Stricter dress regulations | a. <u>4.72</u> |
| b. No smoking for cooks and KPs | b. <u>4.73</u> |
| c. No shouting or yelling | c. <u>4.74</u> |
| d. Stricter behavior regulations -- no horseplay, throwing food, etc. | d. <u>4.75</u> |
| e. Other (write it here and place a "1" on the line at the right.) | e. <u>4.76</u> |
-

Which of the types of foreign or speciality foods do you like best? Circle the top *three* and place their numbers (in order of preference) on the three lines to the right.

01. Italian

02. Seafood

03. Soul

04. Chinese

05. Mexican or Spanish

06. German

07. French

08. Jewish

09. Polynesian

10. Japanese

11. Indian

12. Middle Eastern or Greek

13. No preference among the above (Place "13" on line 1 at the right)

14. Do not like any of the above (Place "14" on line 1 at the right)

15. Other specialties (write it here and place "15" on the appropriate line at the right.)

1. 4.77, 4.78

2. 4.79, 4.80

3. 5.06, 5.07

What is your opinion of the following types of foods? Circle the number of your answers. If you have never had the food, place a "0" on the column at the right. Think of the foods in a general way. Do not rate them according to the food you have been served in the Army.

a. *Canned Foods*

1	2	3	4	5	6	7	
Unacceptable			Average			Excellent	
(I won't eat						(I like them	
them)						very much)	<u>5.08</u>

b. *Dehydrated Foods*

1	2	3	4	5	6	7	
Unacceptable			Average			Excellent	
(I won't eat						(I like them	
them)						very much)	<u>5.09</u>

c. *Frozen Foods*

1	2	3	4	5	6	7	
Unacceptable			Average			Excellent	
(I won't eat						(I like them	
them)						very much)	<u>5.10</u>

Would you like to be permitted to eat in any mess hall on your Post?
Circle the number of your answer.

1. Yes	
2. No	
3. Doesn't matter	
	<u>5.11</u>

Do you think the military should operate some snack bars where you could eat free? Circle the number of your answer.

1. Yes	
2. No	
3. Doesn't matter	
	<u>5.12</u>

If the military did operate these snack bars, what hours do you think they should be open? Write in the hours for weekdays (Monday to Friday) and weekends (Saturday and Sunday).

Weekdays: _____ hours to _____ hours

Weekends: _____ hours to _____ hours

How much time do you think you should be permitted to stay in the snack bar when you go there? Circle the number of your answer.

1. As long as it takes me to get my food and eat it.
2. No more than one hour.
3. As long as you want, even if you are not eating anything.

5.13

Why did you join the Army? Circle the number of your answer.

1. Drafted
2. Enlisted to avoid draft
3. Enlisted for other reasons

5.14

Do you plan to reenlist when your present tour of duty ends? Circle the number of your answer.

1. Yes
2. No
3. Not sure

5.15

How much do you like the Army? Circle the number of your answer.

- | | | | | | | |
|--------------|---|---|--------------|---|---|-----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I dislike it | | | I am neutral | | | I like it |
| very much | | | about it | | | very much |

5.16

Compared to other enlisted men that you know, do you believe the Army has treated you fairly? Circle the number of your answer.

1. Yes
2. No

5.17

Do you think the Army is using your talents and abilities effectively? Circle the number of your answer.

1. Yes
2. No

5.18

APPENDIX 2

PROCEDURE FOR ADMINISTRATION OF QUESTIONNAIRE

Procedure for Administration of Questionnaire

The soldiers selected were given a letter explaining the purpose of the questionnaires several days prior to reporting for filling out the questionnaires. Soldiers reported to fill out the questionnaire at either 0730 or 1230, in groups ranging in size from 26 to 53 people.

The order and procedure for filling out the questionnaires was as follows. (I refers to the Interviewer, S refers to the Soldier).

1. I pass out the Instructions, Background Information Sheet, and Dining Facilities Questionnaire. (See Appendix 1.)
2. I read the instructions for Dining Facilities Questionnaire to the soldiers.
3. S filled out the Background Information Sheet, which assigned him a number used to identify his questionnaire.
4. The Background Information Sheet was collected.
5. S filled out the Dining Facilities Questionnaire and I checked it over when S was finished, to insure no questions were missed.
6. I passed out the Attendance Record Sheet, the Corrected Attendance Record, the Instructions for Attendance Questionnaire, and the Proposed Changes Questionnaire.
7. I read the instructions for the Attendance Questionnaire.
8. S filled out his Corrected Attendance Sheet with the aid of his Attendance Record Sheet and I.
9. I read instructions for the Proposed Changes Questionnaire.
10. S filled out the Proposed Changes Questionnaire, using his Corrected Attendance Sheet as a basis for attendance. I checked it over when S was finished.

11. I passed out the Food Preference Survey.

12. S filled out the Food Preference Survey, I checked it over when S finished, and S was permitted to leave.

Steps 1-10 required approximately 1 1/2 hours to complete and Steps 11 and 12 required about 2 hours, for a total time of approximately 3 1/2 hours. The soldiers could take coffee and toilet breaks at will during the interview session. Coffee and donuts were available at the interview room.

Two groups of soldiers filled out the questionnaire concurrently, at two different locations. Six trained interviewers, three with each group, conducted the sessions. The interviewers rotated from one test site to the other for different sessions, to prevent any systematic interviewer-biases from occurring. The interviewers walked around the room while the soldiers were filling out the questionnaires, to provide assistance and to insure that the soldiers were filling out the questionnaires properly. The entire survey took 3 1/2 days to administer.

APPENDIX 3

QUESTIONNAIRE FIGURES

Fig. 1. AGE DISTRIBUTION OF TDA AND TOE SAMPLE

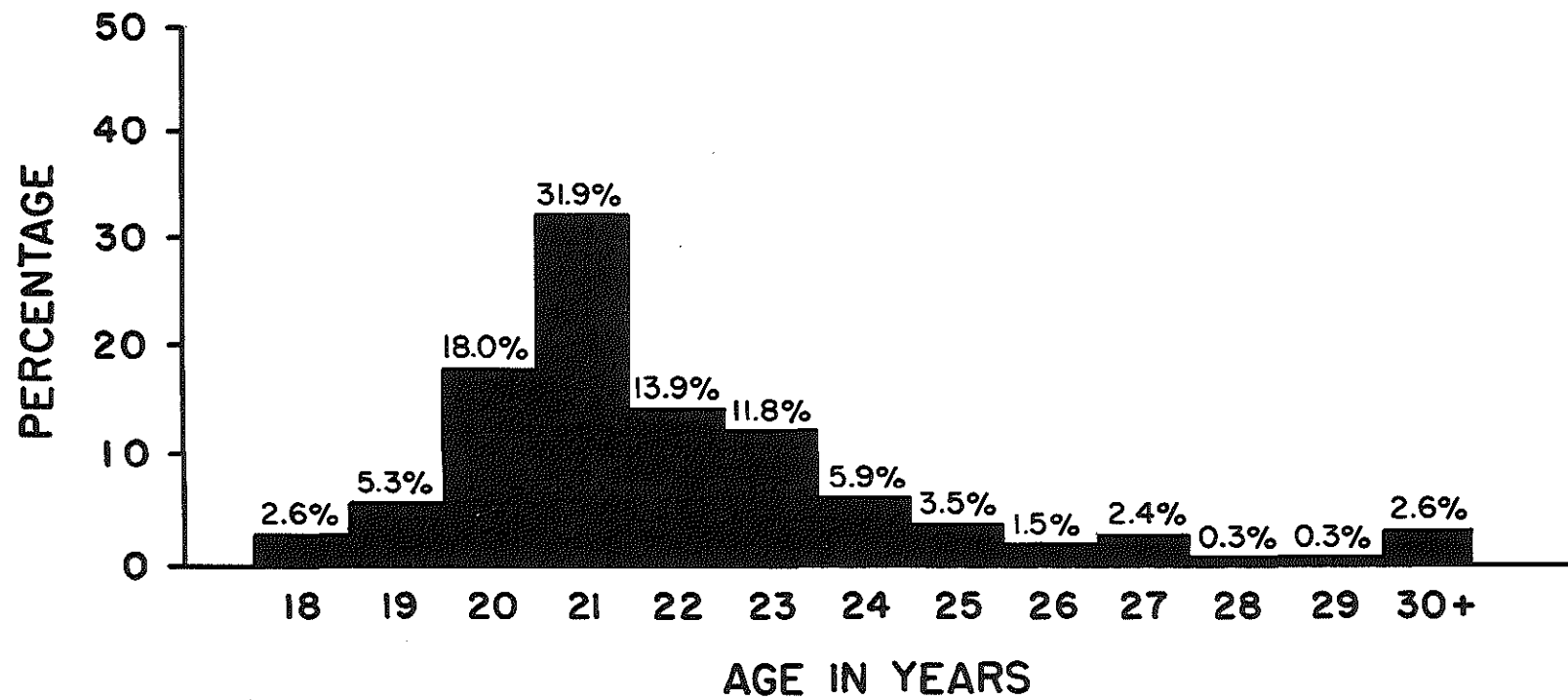
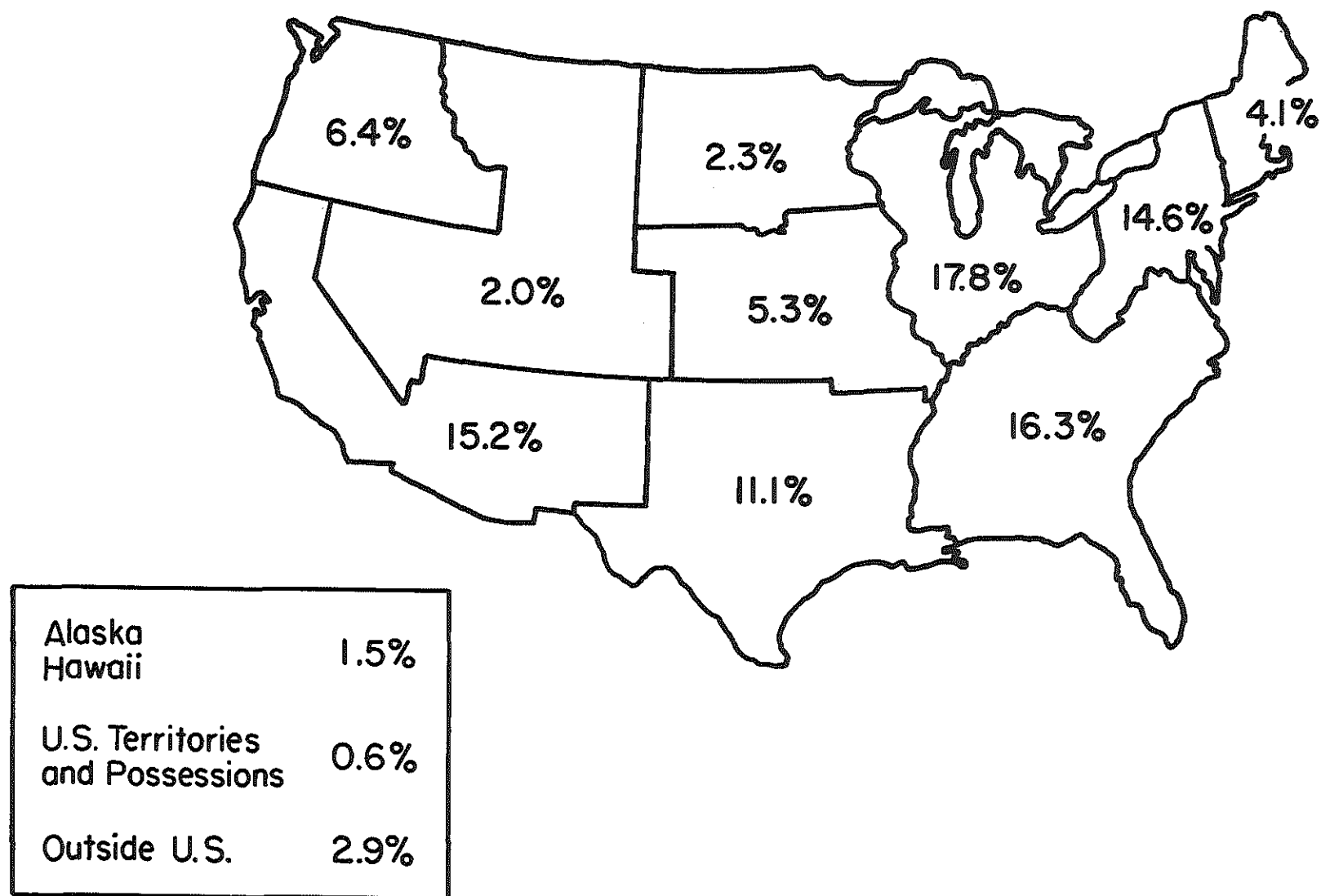


Fig. 2. GEOGRAPHICAL ORIGINS OF TDA AND TOE SAMPLE



**Fig. 3. RURAL / URBAN BACKGROUND OF
TDA AND TOE SAMPLE**

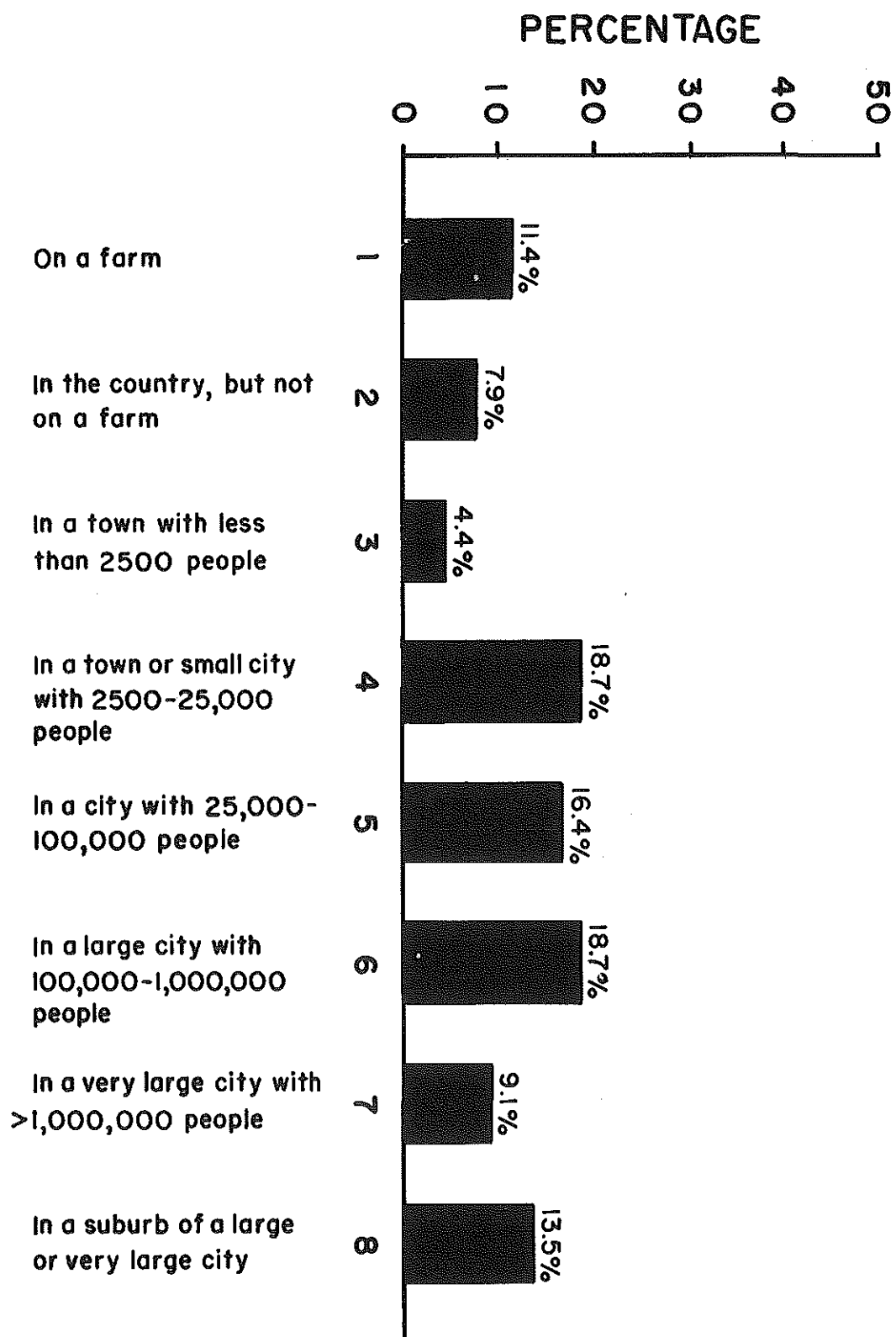


Fig. 4. EDUCATIONAL BACKGROUND OF
TDA AND TOE SAMPLE

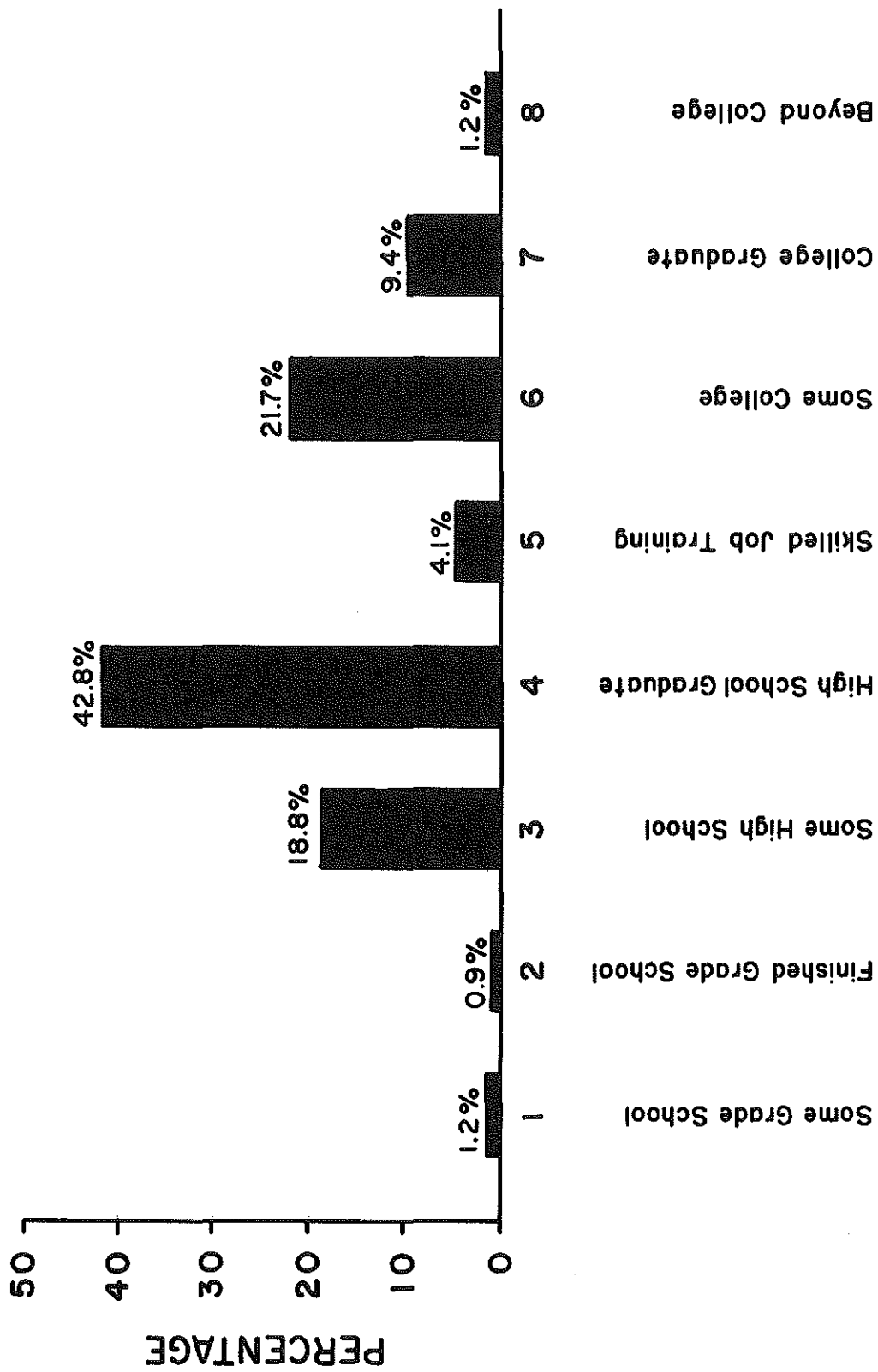


Fig. 5. MARITAL STATUS OF TDA AND TOE SAMPLE

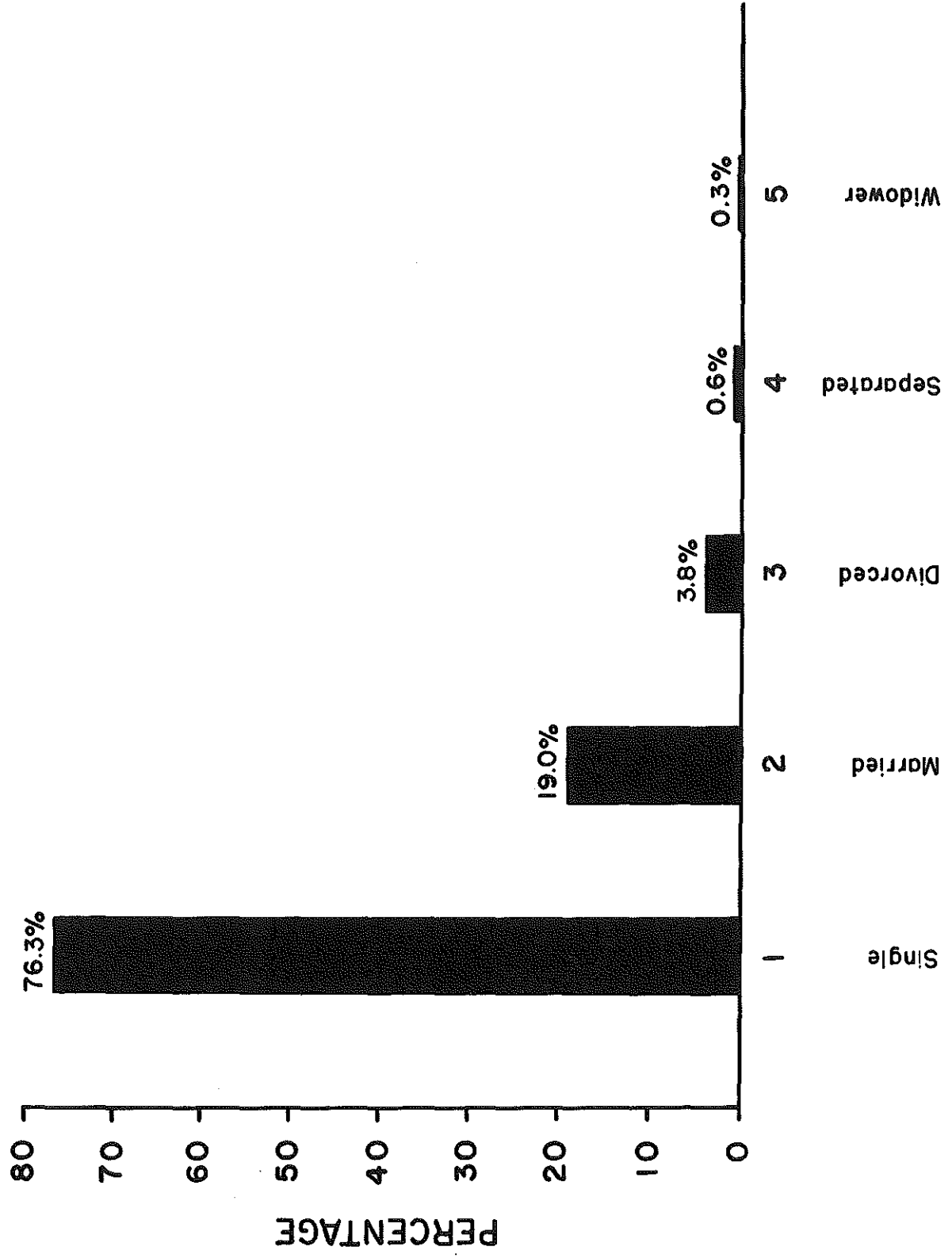


Fig. 6. TIME-IN-SERVICE OF TDA AND TOE SAMPLE

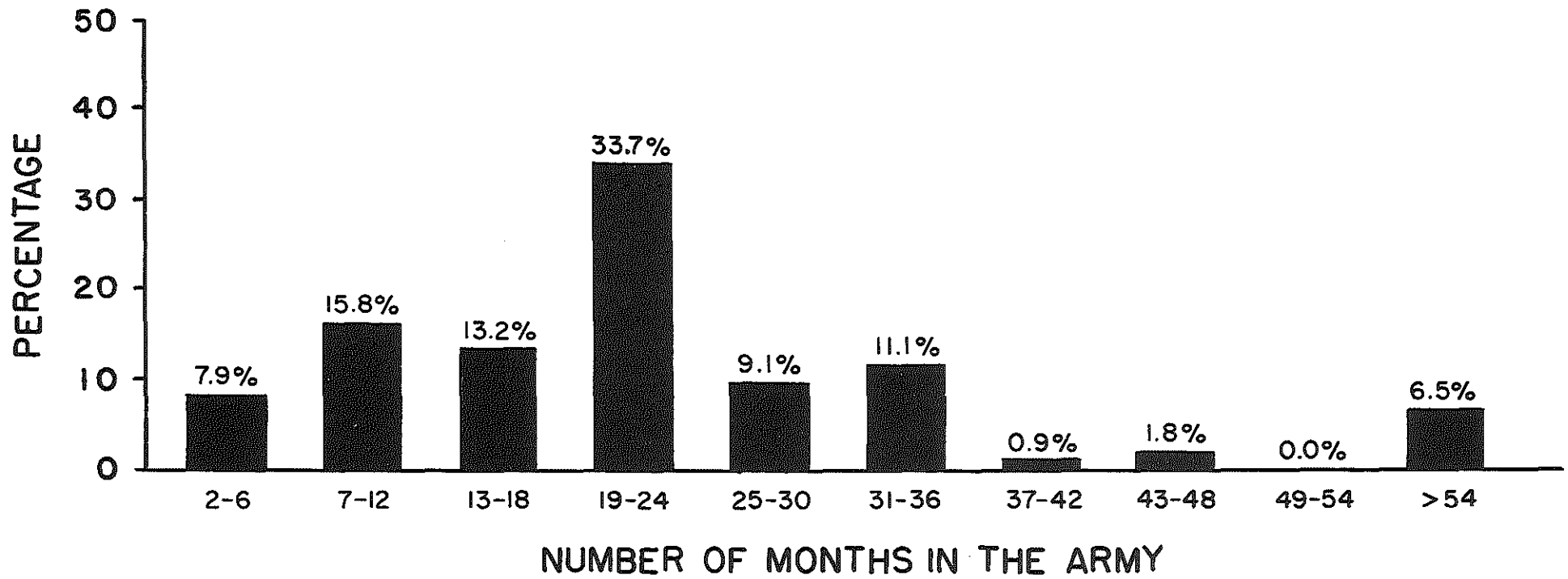


Fig. 7. DISTRIBUTION OF PAY GRADES OF
TDA AND TOE SAMPLE

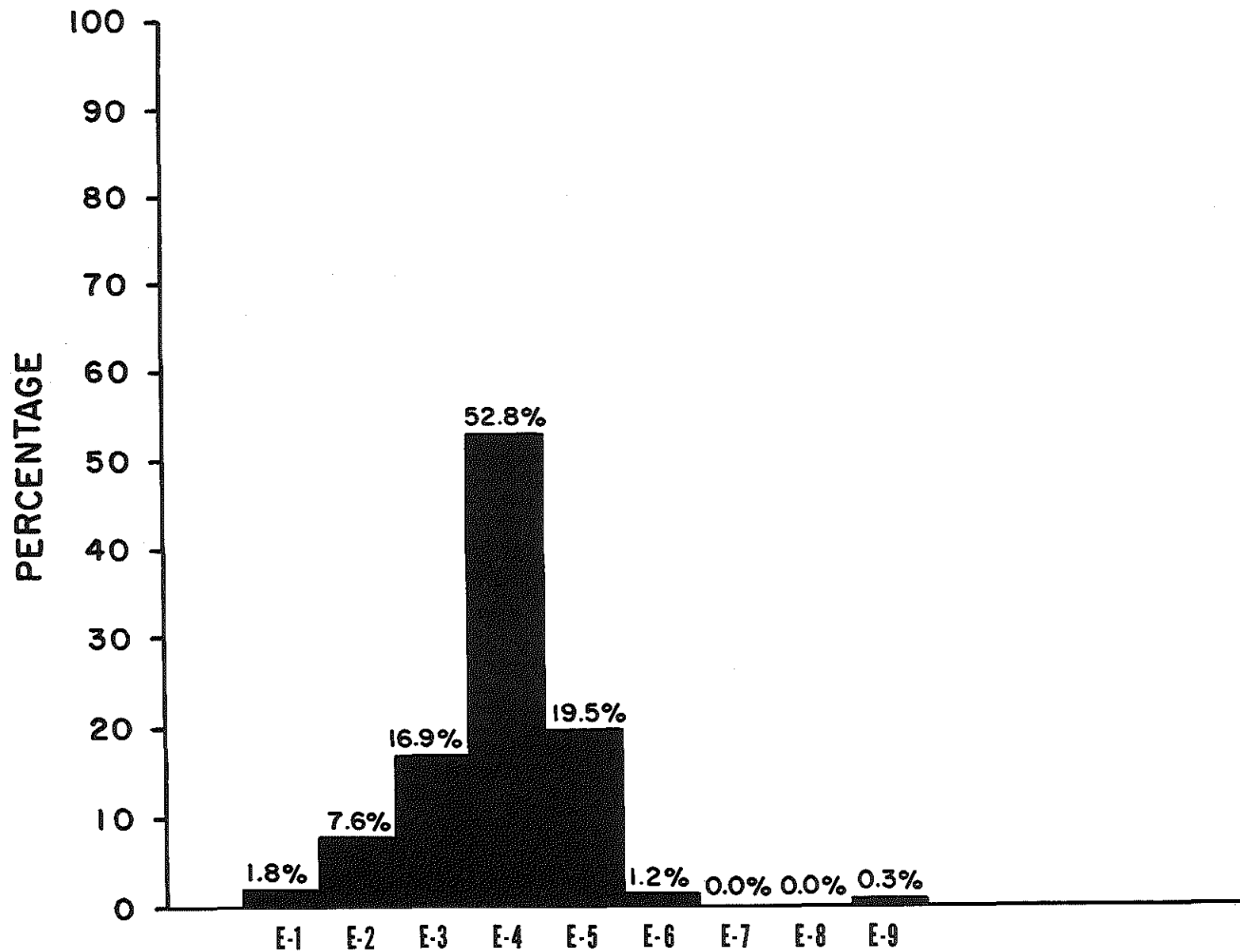
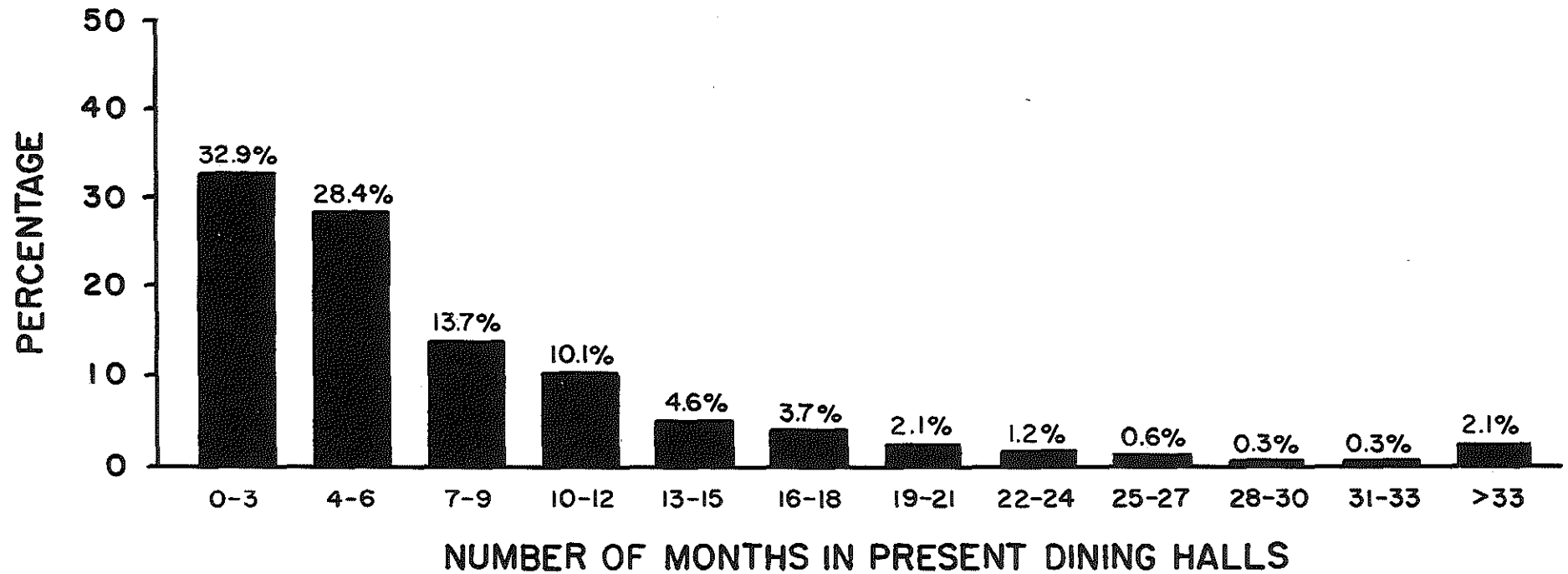


Fig. 8. LENGTH OF ASSIGNMENT AT PRESENT DINING HALL
(TDA AND TOE SAMPLE)



APPENDIX 4

QUESTIONNAIRE TABLES

DINING FACILITIES QUESTIONNAIRE DATA SUMMARIES

The following tables contain a complete summary of the Dining Facilities Questionnaire results. The tables are presented in the order: Background Information for TDA, TOE, and BCT units; Results for TDA and TOE units; and Results for BCT units. Each table is preceded by the question from which the results were obtained.

The following guidelines should be kept in mind while utilizing the tables:

1. All numerical values in the tables are percentages, with the exception of: the number of subjects responding to the questions, and the means, standard deviations, and medians of the 7-point rating scales.
2. The line entitled: "Number of Subjects Responding", presents the number of subjects who answered the question. In many instances, this number is slightly smaller than the number of subjects who completed the questionnaire.
3. Due to rounding errors there are instances when percentages which are supposed to total 100% do not. These errors are within $\pm 0.1\%$ and do not affect interpretation of the results.
4. On certain questions, subjects were permitted to choose as few or as many alternatives as they desired. For these questions, the data percentages will not add to 100%. The questions are noted by footnotes in the tables. Results given are the percentages of the dining halls who answered affirmatively.

BACKGROUND DATA FOR TDA, TOE, AND BCT UNITS

Average Height and Weight of TDA and TOE Troops, WACs, and BCTs

	Number Sampled	Average Height	Average Weight
Total Men	328	5'11" (SD=3.0")	165.7 lbs. (SD=20.9 lbs.)
Total Women	15	5'5" (SD=2.6")	137.4 lbs. (SD=12.2 lbs.)
BCTs	98	5'10" (SD=2.4")	160.3 lbs. (SD=17.3 lbs.)

PERCENTAGES OF SUBJECTS REPORTING VARIOUS OCCUPATIONS PRIOR TO JOINING THE ARMY

	TDA AND TOE	BCT
Professional and Managerial	7.8	11.3
Clerical and Sales	6.3	8.2
Service Occupations	3.4	9.3
Agricultural, Fishery, Forestry	1.1	0.0
Skilled Occupations	20.1	15.5
Semiskilled Occupations	6.9	15.5
Unskilled Occupations	14.1	16.5
Students	29.9	16.5
Unemployed	4.9	5.2
No Answer or Indecipherable Answer	5.5	2.1

NUMBER OF TDA AND TOE SUBJECTS IN VARIOUS MOS CLASSIFICATIONS

1	TACTICAL OPERATIONS	55
11	Infantry-Armor	28
12	Combat Engineering	1
13	Field Artillery Cannon	21
15	Field Artillery Missiles/Rocket	1
16	Air Defense Missiles	0
17	Combat Surveillance and Target Acquisition	4
2	MISSILE AND FIRE CONTROL ELECTRONIC MAINTENANCE	0
21	Ballistic Missile Electronic Maintenance	0
22	Guided Missile Electronic Maintenance	0
23	Missile Fire Control Electronic Maintenance	0
24	Air Defense Missile Electronics Maintenance	0
25	Fire Distribution Systems Repair	0
26	Radar and Microwave Maintenance	0
27	Combat Missile Electronics Maintenance	0
3	GENERAL ELECTRONIC MAINTENANCE	5
31	Field Communications Equipment Maintenance	1
32	Fixed Plant Communications Equipment Maintenance	0
33	Intercept Equipment Maintenance	0
34	Data Processing Equipment Maintenance	0
35	Electrical/Electronics Devices Maintenance	3
36	Wire Maintenance	1

4	PRECISION MAINTENANCE		15
41	Precision Devices	6	
42	Prosthetic Appliances	0	
43	Textile and Leather Repair	0	
44	Metal Working	3	
45	Armament Maintenance	6	
46	Missile Mechanical Maintenance	0	
5	AUXILIARY SERVICES		20
51	Construction and Utilities	5	
52	Power Production and Distribution	2	
53	Industrial Gas Production	0	
54	Chemical	0	
55	Ammunition	6	
57	General Duty	7	
6	MOTORS		69
61	Marine Operations	0	
62	Engineer Heavy Equipment Operation and Maintenance	7	
63	Mechanical Maintenance	43	
64	Motor Transport	16	
65	Railway Maintenance and Operations	0	
67	Aircraft Maintenance	2	
68	Aircraft Components Repair	1	
7	CLERICAL		121
70A	Clerk	33	
71	Administration	29	
72	Communications Center Operations	1	
73	Finance	15	
74	Data Processing	0	
76	Supply	43	

8	GRAPHICS	9
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81	Drafting Captology	3
82	Surveying	4
83	Printing	0
84	Pictorial	2

9	GENERAL TECHNICAL	41
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91	Medical Care and Treatment	19
92	Laboratory Procedures	2
93	Technical Equipment Operation	0
94	Food Service	19
95	Law Enforcement	1
96	General Intelligence	0
97	Special Intelligence	0
98	Signal Intelligence	0

SPECIAL ASSIGNMENT	2
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00	Special Assignment (NEC)	0
01	Special Requirements	0
02	Bandsman	0
03	Special Services	0
04	Linguists	0
05	Radio Code	2
09	Reporting Codes	0

TOTAL	337
<u>NO JOB</u>	<u>6</u>
TOTAL	343

GEOGRAPHICAL DISTRIBUTION – TDA AND TOE SAMPLE¹

Region	Sample at Fort Lewis	U.S. Population
Northwest	6.6%	3.0%
Rocky Mountains	2.1%	2.4%
South Central	11.5%	9.5%
Southwest	15.7%	11.2%
Great Plains	5.4%	5.6%
North Central	2.4%	2.5%
Middle West	18.4%	19.9%
Southeast	16.9%	17.8%
East Central	15.1%	21.8%
New England	4.2%	5.8%
Alaska and Hawaii	1.5%	0.5%

PERCENTAGES OF SAMPLE REPORTING THE MEALS THEY TYPICALLY ATE

During a typical week, which meals do you eat, *regardless of where you eat them*? Place a check in the box for each meal that you typically eat. If you have "brunch" on Saturdays and Sundays, consider it to be a midday meal.

a. BREAKFAST

Mess Hall	M	T	W	T	F	Mean	Sat	Sun	Mean
A	28.1	28.1	31.2	25.0	34.4	29.4	25.0	25.0	25.0
B	48.3	58.6	41.4	51.7	48.3	49.7	27.6	34.5	31.1
C	72.6	76.5	78.4	78.4	72.6	75.7	47.1	47.1	47.1
D	56.7	46.7	56.7	56.7	50.0	53.4	30.0	36.7	33.4
E	66.7	62.5	66.7	66.7	66.7	65.9	62.5	58.3	60.4
F	60.5	65.1	60.5	65.1	62.8	62.8	44.2	48.8	46.5
G	75.0	71.4	78.6	71.4	75.0	74.3	35.7	32.1	33.9
H	82.0	87.2	92.3	89.7	87.2	87.7	51.3	51.3	51.3
I	76.9	84.6	84.6	82.0	78.9	81.0	59.0	51.3	55.2
MEAN	63.0	64.5	65.6	65.2	63.8	64.4	42.5	42.8	42.7
BCT's	95.6	95.6	94.4	95.6	94.4	95.1	84.4	76.7	80.6

¹Based on persons living in the continental United States and Alaska and Hawaii

b. MIDDAY MEAL (regardless of where you eat it)

Mess Hall	M	T	W	T	F	Mean	Sat	Sun	Mean
A	78.1	75.0	81.2	75.0	78.1	77.5	84.4	78.1	81.3
B	93.1	93.1	89.7	93.1	89.7	91.7	96.6	96.6	96.6
C	92.2	94.1	90.2	92.2	90.2	91.8	84.3	78.4	81.4
D	83.3	86.7	83.3	83.3	83.3	84.0	86.7	76.7	81.7
E	87.5	79.2	83.3	91.7	83.3	85.0	75.0	75.0	75.0
F	88.4	88.4	88.4	88.4	88.4	88.4	90.7	90.7	90.7
G	96.4	92.9	96.4	96.4	96.4	95.7	82.1	78.6	80.4
H	92.3	94.9	92.3	92.3	92.3	92.8	89.7	92.3	91.0
I	89.7	89.7	87.2	84.6	89.7	88.2	79.5	84.6	82.1
MEAN	89.0	88.2	88.0	88.6	87.9	88.3	85.4	83.4	84.4
BCT's	98.9	98.9	97.8	97.8	98.9	98.5	92.2	95.6	93.9

c. EVENING MEAL (regardless of where you eat it)

Mess Hall	M	T	W	T	F	Mean	Sat	Sun	Mean
A	84.4	87.5	84.4	81.2	90.6	85.6	81.2	81.2	81.2
B	93.1	93.1	96.6	89.7	96.6	93.8	89.7	89.7	89.7
C	90.2	90.2	92.2	88.2	80.4	88.2	65.6	68.6	67.1
D	83.3	83.3	90.0	86.7	80.0	84.7	70.0	70.0	70.0
E	95.8	100.0	91.7	100.0	91.7	95.8	95.8	91.7	93.8
F	83.7	83.7	86.0	88.4	86.0	85.6	79.1	74.4	76.8
G	96.4	96.4	96.4	96.4	89.3	95.0	82.1	78.6	80.4
H	100.0	100.0	100.0	100.0	94.9	99.0	87.2	89.7	88.5
I	94.9	89.7	94.9	87.2	92.3	91.8	84.6	79.5	82.1
MEAN	91.3	91.5	92.5	90.9	89.1	91.1	81.7	80.4	81.1
BCT's	96.7	95.6	95.5	95.6	95.6	95.8	90.0	92.2	91.1

PERCENTAGES OF SAMPLE REPORTING THE MEALS THEY TYPICALLY ATE

During a typical week, which meals do you eat *at your mess hall*? Place a check in the box for each meal that you typically eat. If you have "brunch" on Saturdays and Sundays, consider it to be a midday meal.

a. BREAKFAST

Mess Hall	M	T	W	T	F	Mean	Sat	Sun	Mean
A	21.9	21.9	25.0	18.8	25.0	22.5	6.2	6.2	6.2
B	51.7	55.2	48.3	51.7	48.3	51.0	20.7	20.7	20.7
C	66.7	70.6	68.6	74.5	68.6	69.8	33.3	29.4	31.4
D	53.3	36.7	53.3	46.7	53.3	48.7	23.3	33.3	28.3
E	45.8	45.8	45.8	50.0	50.0	47.5	29.2	33.3	31.3
F	58.1	58.1	55.8	60.5	58.1	58.1	27.9	23.3	25.6
G	67.9	64.3	64.3	60.7	64.3	64.3	25.0	21.4	23.2
H	79.5	87.2	87.2	89.7	84.6	85.6	35.9	35.9	35.9
I	71.8	74.4	71.8	71.8	71.8	72.3	23.1	23.1	23.1
MEAN	57.4	57.1	57.8	58.3	58.2	57.8	25.0	25.2	25.1
BCT's	95.6	94.4	93.3	95.6	93.3	94.4	82.2	75.6	78.9

b. MIDDAY MEAL (at your mess hall)

Mess Hall	M	T	W	T	F	Mean	Sat	Sun	Mean
A	53.1	56.2	56.2	53.1	53.1	54.3	46.9	46.9	46.9
B	89.7	89.7	89.7	89.7	89.7	89.7	62.1	55.2	58.7
C	88.2	88.2	88.2	88.2	84.3	87.4	58.8	54.9	56.9
D	87.7	86.7	83.3	80.0	76.7	82.7	56.7	53.3	55.0
E	83.3	75.0	75.0	79.2	70.8	76.7	58.3	50.0	54.2
F	88.4	83.7	83.7	83.7	81.4	84.2	48.8	48.8	48.8
G	85.7	85.7	85.7	85.7	82.1	85.0	57.1	53.6	55.4
H	89.7	87.2	89.7	89.7	87.2	88.7	64.1	64.1	64.1
I	82.0	82.0	76.9	76.9	74.4	78.4	35.9	38.5	37.2
MEAN	83.0	81.6	89.0	80.7	77.7	80.8	54.3	51.7	53.0
BCT's	90.0	88.9	88.9	91.1	88.9	89.6	84.4	85.6	85.0

c. EVENING MEAL (at your mess hall)

Mess Hall	M	T	W	T	F	Mean	Sat	Sun	Mean
A	56.2	46.9	46.9	50.0	50.0	50.0	46.9	46.9	46.9
B	79.3	79.3	79.3	72.4	69.0	75.9	44.8	37.9	41.4
C	76.5	82.4	80.4	74.5	60.8	74.9	43.1	37.2	40.2
D	66.7	53.3	70.0	63.3	56.7	62.0	36.7	40.0	38.4
E	83.3	83.3	70.8	83.3	66.7	77.5	45.8	41.7	43.8
F	74.4	69.8	74.4	76.7	60.5	71.2	34.9	39.5	37.2
G	82.1	85.7	82.1	85.7	82.1	83.5	50.0	42.9	46.5
H	94.9	94.9	92.3	92.3	84.6	91.8	59.0	61.5	60.3
I	59.0	61.5	59.0	61.5	51.3	58.5	33.3	33.3	33.3
MEAN	74.7	73.0	72.8	73.3	64.6	71.7	43.8	42.3	43.1
BCT's	96.7	95.6	95.6	96.7	95.7	96.0	84.4	92.2	88.3

PERCENTAGES OF SAMPLE REPORTING THE MEALS THEY TYPICALLY HAD EATEN

Before you entered the Army, which meals did you usually eat? Place a check in the box for each meal that you typically ate. If you ate "brunch" on Saturdays or Sundays, consider it to be a midday meal.

a. BREAKFAST

Mess Hall	M	T	W	T	F	Mean	Sat	Sun	Mean
A	68.8	65.6	68.8	68.8	65.6	67.5	68.8	75.0	71.9
B	51.7	51.7	51.7	51.7	51.7	51.7	44.8	48.3	46.6
C	68.6	72.6	74.5	76.5	72.6	73.0	68.6	66.7	67.7
D	50.0	46.7	46.7	50.0	50.0	48.7	46.7	56.7	51.7
E	70.8	70.8	66.7	70.8	66.7	69.2	70.8	79.2	75.0
F	65.1	67.4	67.4	65.1	67.4	66.5	60.5	62.8	61.7
G	78.6	82.1	78.6	82.1	78.6	80.0	67.9	64.3	66.1
H	64.1	64.1	64.1	64.1	64.1	64.1	61.5	61.5	61.5
I	56.4	59.0	56.4	56.4	53.8	56.4	51.3	59.0	55.2
MEAN	63.8	64.4	63.9	65.0	63.4	64.1	60.1	63.7	61.9
BCT's	52.2	53.3	47.8	51.1	51.1	51.1	56.7	56.7	56.7

b. MIDDAY MEAL (before you entered the Army)

Mess Hall	M	T	W	T	F	Mean	Sat	Sun	Mean
A	93.8	90.6	93.8	90.6	93.8	92.5	90.6	93.8	92.2
B	93.1	96.6	93.1	96.6	93.1	94.5	93.1	89.7	91.4
C	74.5	78.4	76.5	80.4	78.4	77.6	80.4	74.5	77.5
D	90.0	83.3	90.0	83.3	90.0	87.3	83.3	86.7	85.0
E	91.7	87.5	91.7	91.7	87.5	90.0	87.5	83.3	85.4
F	93.0	95.4	93.0	90.7	90.7	93.0	83.7	83.7	83.7
G	78.6	78.6	78.6	78.6	78.6	78.6	89.3	92.9	91.1
H	97.4	97.4	97.4	97.4	94.9	96.9	74.4	84.6	79.5
I	87.2	89.7	92.3	89.7	89.7	89.7	94.9	89.7	92.3
MEAN	88.8	88.6	89.6	88.8	88.5	88.9	86.9	87.6	87.2
BCT's	91.1	91.1	88.9	91.1	91.1	90.7	85.6	83.3	84.5

c. EVENING MEAL (before you entered the Army)

Mess Hall	M	T	W	T	F	Mean	Sat	Sun	Mean
A	93.8	96.9	96.9	93.8	93.8	95.0	96.9	93.8	95.4
B	100.0	100.0	100.0	100.0	96.6	99.3	100.0	93.1	96.6
C	90.2	94.1	92.2	92.2	92.2	92.2	90.2	90.2	90.2
D	90.0	86.7	83.3	90.0	90.0	88.0	86.7	83.3	85.0
E	95.8	95.8	95.8	95.8	100.0	96.6	91.7	95.8	93.8
F	95.4	93.0	95.4	93.0	88.4	99.3	89.3	92.9	91.1
G	100.0	100.0	100.0	100.0	96.4	99.3	89.3	92.9	91.1
H	94.9	97.4	94.9	97.4	92.3	95.4	92.3	92.3	92.3
I	94.9	94.9	97.4	92.3	94.9	94.9	82.0	87.2	84.6
MEAN	95.0	95.4	95.1	94.9	93.8	94.8	90.3	90.3	90.3
BCT's	97.8	98.9	96.7	98.9	96.7	97.8	91.1	95.6	93.4

Mess Hall A: PERCENTAGES OF MALES AND FEMALES REPORTING THE MEALS THEY TYPICALLY ATE

a. BREAKFAST (regardless of where they ate)

	M	T	W	T	F	Mean	Sat	Sun	Mean
Males	42.1	42.1	52.6	36.8	47.4	44.2	26.3	26.3	26.3
Females	6.7	6.7	6.7	6.7	13.3	8.0	26.7	26.7	26.7

b. MIDDAY MEAL (regardless of where they ate)

	M	T	W	T	F	Mean	Sat	Sun	Mean
Males	78.9	84.2	84.2	78.9	78.9	81.0	89.5	89.5	89.5
Females	80.0	66.7	80.0	73.3	80.0	76.0	80.0	66.7	73.4

c. EVENING MEAL (regardless of where they ate)

	M	T	W	T	F	Mean	Sat	Sun	Mean
Males	94.7	100.0	94.7	94.7	100.0	96.8	94.7	94.7	94.7
Females	73.3	73.3	73.3	66.7	80.0	73.3	66.7	66.7	66.7

Mess Hall A: PERCENTAGES OF MALES AND FEMALES REPORTING THE MEALS THEY TYPICALLY ATE

a. BREAKFAST (at their mess hall)

	M	T	W	T	F	Mean	Sat	Sun	Mean
Males	36.8	36.8	42.1	31.6	42.1	37.9	10.5	10.5	10.5
Females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

b. MIDDAY MEAL (at their mess hall)

	M	T	W	T	F	Mean	Sat	Sun	Mean
Males	68.4	73.7	73.7	68.4	68.4	70.5	63.2	63.2	63.2
Females	33.3	33.3	33.3	33.3	33.3	33.3	20.0	20.0	20.0

c. EVENING MEAL (at their mess hall)

	M	T	W	T	F	Mean	Sat	Sun	Mean
Males	78.9	68.4	63.2	73.7	68.4	70.5	57.9	63.2	60.6
Females	26.7	20.0	26.7	20.0	26.7	24.0	20.0	20.0	20.0

Mess Hall A: PERCENTAGES OF MALES AND FEMALES REPORTING THE MEALS THEY TYPICALLY HAD EATEN

a. BREAKFAST (before they entered the Army)

[illegible]

b. MIDDAY MEAL (before they entered the Army)

	M	T	W	T	F	Mean	Sat	Sun	Mean
Males	94.7	89.5	94.7	89.5	94.7	92.6	84.2	89.5	86.8
Females	93.3	93.3	93.3	93.3	93.3	93.3	100.0	100.0	100.0

c. EVENING MEAL (before they entered the Army)

[illegible]

RESULTS FOR TDA AND TOE UNITS

TDA AND TOE SAMPLE, FT. LEWIS

Dining Hall Units	No. Interviewed	No. Discarded	Total	% Util.
A ² Co A, USATCI Wac Co	34	0	34	27%
B HHC, USATCI	32	1	31	43%
C 3rd Cav	51	0	51	66%
D HHD 62 Med Gp 551st Med Co 423d Med Co	36	2	34	48%
E HQ, 339th Engr	26	0	26	48%
F 2d Bn 19th Arty	47	2	45	54%
G 143 SDS Co 63d Ord Co	30	1	29	57%
H 513 Maint Co 171st Ord	53	3	50	56%
I 542d Maint Co 70th Support Bn 151st	43	0	43	66%

When you do not eat in the mess hall, where do you eat?

a. I skip the meal

	A	B	C	D	E	F	G	H	I	MEAN
Never	0.0	13.3	2.0	5.9	3.8	4.6	17.2	16.3	9.5	8.0
Sometimes	42.4	50.0	72.5	58.8	73.1	75.0	65.5	65.3	73.8	65.1
Often	54.6	30.0	21.6	32.4	19.2	15.9	17.2	16.3	16.7	24.0
Always	3.0	6.7	3.9	2.9	3.8	4.6	0.0	2.0	0.0	3.0
NO. SUBJECTS RESPONDING	33	30	51	34	26	44	29	49	42	338

²This unit was composed of 19 males and 15 females.

b. Girlfriend's House

	A	B	C	D	E	F	G	H	I	MEAN
Never	72.7	58.6	62.7	55.9	61.5	65.9	62.1	59.6	64.3	62.7
Sometimes	18.2	27.6	33.3	26.5	30.8	29.6	27.6	34.0	16.7	27.5
Often	6.1	13.8	2.0	11.8	7.7	4.5	10.3	4.3	16.7	8.1
Always	3.0	0.0	2.0	5.9	0.0	0.0	0.0	2.1	2.4	1.8
NO. SUBJECTS RESPONDING	33	29	51	34	26	44	29	47	42	335

c. Home

	A	B	C	D	E	F	G	H	I	MEAN
Never	81.8	66.7	68.6	67.6	80.8	79.6	93.1	55.1	60.5	71.1
Sometimes	12.1	26.7	11.8	14.7	7.7	6.8	3.4	18.4	9.3	12.4
Often	3.0	3.3	15.7	5.9	11.5	9.1	3.5	10.2	25.6	10.6
Always	3.0	3.3	3.9	11.8	0.0	4.5	0.0	16.3	4.6	5.9
NO. SUBJECTS RESPONDING	33	30	51	34	26	44	29	49	43	339

d. Friend's House

	A	B	C	D	E	F	G	H	I	MEAN
Never	45.5	55.2	47.1	67.7	38.5	52.3	44.8	49.0	29.3	47.6
Sometimes	42.4	37.9	49.0	23.5	53.8	45.4	55.2	42.9	63.4	46.1
Often	9.1	3.5	3.9	8.8	7.7	2.3	0.0	6.1	7.3	5.4
Always	3.0	3.5	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.9
NO. SUBJECTS RESPONDING	33	29	51	34	26	44	29	49	41	336

e. Relatives

	A	B	C	D	E	F	G	H	I	MEAN
Never	93.9	82.8	78.4	81.8	88.5	93.2	85.7	66.7	66.7	80.8
Sometimes	3.0	13.8	13.7	12.1	11.5	6.8	10.7	27.1	30.9	15.3
Often	3.0	3.4	5.9	6.1	0.0	0.0	3.6	2.1	2.4	3.0
Always	0.0	0.0	2.0	0.0	0.0	0.0	0.0	4.2	0.0	0.9
NO. SUBJECTS RESPONDING	33	29	51	33	26	44	28	48	42	334

f. Off-post diner, snack bar, or drive-in

	A	B	C	D	E	F	G	H	I	MEAN
Never	3.0	10.3	3.9	11.8	0.0	15.9	24.1	16.3	21.4	12.2
Sometimes	57.6	48.3	62.8	73.5	50.0	63.6	31.0	57.1	64.3	57.9
Often	33.3	34.5	33.3	14.7	46.2	20.5	44.8	26.5	14.3	28.5
Always	6.1	6.9	0.0	0.0	3.8	0.0	0.0	0.0	0.0	1.5
NO. SUBJECTS RESPONDING	33	29	51	34	26	44	29	49	42	337

g. Off-post quality restaurant

	A	B	C	D	E	F	G	H	I	MEAN
Never	21.2	20.7	15.7	41.2	15.4	27.3	41.4	34.7	21.4	26.4
Sometimes	72.7	75.9	72.5	50.0	80.8	59.1	51.7	46.9	71.4	63.8
Often	6.1	3.4	9.8	5.9	3.8	11.4	6.9	18.4	4.8	8.6
Always	0.0	0.0	2.0	2.9	0.0	2.3	0.0	0.0	2.4	1.2
NO. SUBJECTS RESPONDING	33	29	51	34	26	44	29	49	42	337

h. Bar or tavern (with alcoholic beverages)

	A	B	C	D	E	F	G	H	I	MEAN
Never	51.5	41.4	35.3	58.8	26.9	36.4	48.3	46.9	50.0	43.9
Sometimes	42.4	44.8	49.0	32.4	46.2	54.6	41.4	40.8	38.1	43.6
Often	6.1	10.3	13.7	5.9	19.2	4.5	10.3	6.1	7.1	8.9
Always	0.0	3.5	2.0	2.9	7.7	4.5	0.0	6.1	4.8	3.6
NO. SUBJECTS RESPONDING	33	29	51	34	26	44	29	49	42	337

i. PX snack bar on your post

	A	B	C	D	E	F	G	H	I	MEAN
Never	23.5	34.5	29.4	57.6	34.6	25.0	6.9	18.0	30.9	28.4
Sometimes	67.7	51.7	64.7	42.4	61.5	61.4	75.9	66.0	64.3	62.1
Often	8.8	10.3	5.9	0.0	3.9	13.6	17.2	14.0	4.8	8.9
Always	0.0	3.5	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.6
NO. SUBJECTS RESPONDING	34	29	51	33	26	44	29	50	42	338

j. PX snack bar on a nearby post

	A	B	C	D	E	F	G	H	I	MEAN
Never	78.8	82.8	76.5	94.1	80.8	75.0	72.4	71.4	78.6	78.3
Sometimes	21.2	13.8	21.6	2.9	19.2	22.7	27.6	24.5	21.4	19.9
Often	0.0	3.4	2.0	0.0	0.0	0.0	0.0	4.1	0.0	1.2
Always	0.0	0.0	0.0	2.9	0.0	2.3	0.0	0.0	0.0	0.6
NO. SUBJECTS RESPONDING	33	29	51	34	26	44	29	49	42	337

k. NCO service club on your post

	A	B	C	D	E	F	G	H	I	MEAN
Never	66.7	86.2	68.6	64.7	80.8	86.4	75.9	85.7	78.6	77.1
Sometimes	27.3	13.8	29.4	32.4	19.2	11.4	24.1	12.2	19.0	20.8
Often	3.0	0.0	2.0	2.9	0.0	0.0	0.0	2.0	2.4	1.5
Always	3.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.6
NO. SUBJECTS RESPONDING	33	29	51	34	26	44	29	49	42	337

l. NCO service club on a nearby post

	A	B	C	D	E	F	G	H	I	MEAN
Never	93.9	93.1	88.2	91.2	96.2	88.6	89.7	95.9	92.9	92.0
Sometimes	6.1	6.9	9.8	8.8	3.8	9.1	10.3	4.1	7.1	7.4
Often	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Always	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.3
NO. SUBJECTS RESPONDING	33	29	51	34	26	44	29	49	42	337

m. PX donut shop

	A	B	C	D	E	F	G	H	I	MEAN
Never	54.6	50.0	43.1	41.2	34.6	43.2	44.8	39.6	47.6	44.2
Sometimes	45.4	43.3	52.9	55.9	53.9	50.0	48.3	52.1	47.6	50.2
Often	0.0	6.7	3.9	0.0	7.7	4.5	6.9	8.3	4.8	4.7
Always	0.0	0.0	0.0	2.9	3.8	2.3	0.0	0.0	0.0	0.9
NO. SUBJECTS RESPONDING	33	30	51	34	26	44	29	48	42	337

n. EM club

	A	B	C	D	E	F	G	H	I	MEAN
Never	90.9	96.6	86.3	87.9	88.0	81.4	96.6	93.9	90.5	89.8
Sometimes	9.1	3.4	11.8	9.1	12.0	13.9	3.4	6.1	7.1	8.7
Often	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.4	0.6
Always	0.0	0.0	0.0	3.0	0.0	4.7	0.0	0.0	0.0	0.9
NO. SUBJECTS RESPONDING	33	29	51	33	25	43	29	49	42	334

Consider the *normal meals* that you are served at your mess hall (excluding the short order) during the *weekdays* (Monday thru Friday). Tell us your opinion of the variety of these meals from day to day.

a. Breakfast

	A	B	C	D	E	F	G	H	I	MEAN
1— No variety	35.7	24.1	19.6	28.1	42.3	26.7	24.1	44.0	27.9	30.0
2	25.0	27.6	21.6	12.5	23.1	20.0	10.3	32.0	25.6	22.5
3	21.4	17.2	27.4	21.9	19.2	17.8	37.9	8.0	11.6	19.5
4— About right	10.7	27.6	21.6	31.3	11.5	26.7	27.6	10.0	32.6	22.2
5	7.1	0.0	7.8	3.1	3.9	6.7	0.0	6.0	2.3	4.5
6	0.0	3.5	2.0	3.1	0.0	2.2	0.0	0.0	0.0	1.2
7— Too much variety	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	2.3	2.6	2.8	2.8	2.1	2.7	2.7	2.0	2.6	2.5
STANDARD DEVIATION	1.3	1.3	1.3	1.4	1.2	1.4	1.1	1.2	1.3	1.3
MEDIAN	2.1	2.4	2.8	2.9	1.8	2.7	2.9	1.7	2.4	2.4
NO. SUBJECTS RESPONDING	28	29	51	32	26	45	29	50	43	333

b. Midday Meal

	A	B	C	D	E	F	G	H	I	MEAN
1— No variety	3.0	3.2	3.9	5.9	11.5	8.9	10.3	10.0	4.7	6.7
2	27.3	25.8	11.8	14.7	11.5	17.8	20.7	24.0	18.6	19.0
3	39.4	45.2	33.3	26.5	53.9	24.4	24.1	44.0	32.6	35.4
4— About right	18.2	19.4	35.3	47.1	23.1	37.8	37.9	22.0	39.5	31.6
5	9.1	3.2	11.8	2.9	0.0	6.7	3.5	0.0	2.3	4.7
6	0.0	3.2	3.9	2.9	0.0	4.4	3.5	0.0	0.0	2.0
7— Too much variety	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.6
MEAN	3.2	3.0	3.5	3.4	2.9	3.3	3.1	2.8	3.3	3.2
STANDARD DEVIATION	1.2	1.0	1.1	1.1	0.9	1.2	1.2	0.9	1.1	1.1
MEDIAN	3.0	3.0	3.5	3.6	3.0	3.5	3.3	2.9	3.3	3.2
NO. SUBJECTS RESPONDING	33	31	51	34	26	45	29	50	43	342

c. Evening Meal

	A	B	C	D	E	F	G	H	I	MEAN
1— No variety	5.9	6.7	7.8	15.2	19.2	15.6	10.3	8.0	7.0	10.3
2	11.8	23.3	15.7	21.2	19.2	11.1	24.1	20.0	18.6	17.9
3	38.2	53.3	35.3	15.2	38.5	28.9	31.0	40.0	37.2	35.2
4— About right	29.4	13.3	21.6	42.4	19.2	33.3	20.7	26.0	32.6	27.0
5	11.8	3.3	13.7	6.1	3.9	11.1	6.9	6.0	2.3	7.6
6	2.9	0.0	3.9	0.0	0.0	0.0	6.9	0.0	2.3	1.8
7— Too much variety	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
MEAN	3.4	2.8	3.4	3.0	2.7	3.1	3.1	3.0	3.1	3.1
STANDARD DEVIATION	1.1	0.9	1.3	1.2	1.1	1.2	1.3	1.0	1.0	1.2
MEDIAN	3.3	2.9	3.3	3.4	2.8	3.3	3.0	3.0	3.2	3.1
NO. SUBJECTS RESPONDING	34	30	51	33	26	45	29	50	43	341

Now consider only the *normal meals* you are served at your mess hall (excluding the short order) for a typical *weekend* (Saturday and Sunday). Tell us your opinion of the variety of these meals from weekend to weekend.

a. Breakfast

	A	B	C	D	E	F	G	H	I	MEAN
1— No variety	32.1	22.2	26.5	25.0	50.0	39.5	34.5	42.0	42.5	35.2
2	25.0	25.9	20.4	18.8	26.9	11.6	20.7	30.0	17.5	21.6
3	17.9	11.1	28.6	25.0	15.4	7.0	20.7	4.0	17.5	16.1
4— About right	21.4	37.0	10.2	28.1	7.7	32.6	24.1	18.0	20.0	21.6
5	3.6	0.0	14.3	3.1	0.0	7.0	0.0	6.0	2.5	4.9
6	0.0	3.7	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.6
7— Too much variety	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	2.4	2.8	2.7	2.7	1.8	2.6	2.3	2.2	2.2	2.4
STANDARD DEVIATION	1.3	1.4	1.4	1.2	1.0	1.6	1.2	1.3	1.3	1.3
MEDIAN	2.2	2.7	2.6	2.7	1.5	2.4	2.3	1.8	1.9	2.2
NO. SUBJECTS RESPONDING	28	27	49	32	26	43	29	50	40	324

b. Midday Meal

	A	B	C	D	E	F	G	H	I	MEAN
1— No variety	5.9	10.7	10.2	15.2	46.2	20.4	27.6	20.0	15.0	18.0
2	17.7	35.7	20.4	39.4	26.9	25.0	24.1	22.0	22.5	25.2
3	44.1	28.6	28.6	21.2	11.5	25.0	31.0	38.0	27.5	29.1
4— About right	23.5	21.4	24.5	18.2	11.5	27.3	13.8	18.0	32.5	21.9
5	5.9	0.0	8.2	3.0	3.9	2.3	3.5	2.0	0.0	3.3
6	0.0	3.6	8.2	3.0	0.0	0.0	0.0	0.0	2.5	2.1
7— Too much variety	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
MEAN	3.2	2.8	3.2	2.6	2.0	2.7	2.4	2.6	2.9	2.7
STANDARD DEVIATION	1.2	1.1	1.4	1.2	1.2	1.2	1.1	1.1	1.2	1.2
MEDIAN	3.1	2.6	3.2	2.4	1.6	2.7	2.4	2.7	3.0	2.7
NO. SUBJECTS RESPONDING	34	28	49	33	26	44	29	50	40	333

c. Evening Meal

	A	B	C	D	E	F	G	H	I	MEAN
1— No variety	11.8	14.3	16.3	36.4	42.3	18.2	37.9	14.0	20.0	21.9
2	20.6	39.3	30.6	24.2	23.1	34.1	20.7	26.0	25.0	27.3
3	35.3	25.0	20.4	15.1	19.2	20.4	27.6	36.0	30.0	25.8
4— About right	26.5	21.4	22.5	18.2	11.5	22.7	10.3	20.0	22.5	20.1
5	5.9	0.0	6.1	6.1	0.0	4.6	3.5	4.0	2.5	3.9
6	0.0	0.0	4.1	0.0	3.9	0.0	0.0	0.0	0.0	0.9
7— Too much variety	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	2.9	2.5	2.8	2.3	2.2	2.6	2.2	2.7	2.6	2.6
STANDARD DEVIATION	1.1	1.0	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.2
MEDIAN	3.0	2.4	2.7	2.1	1.8	2.4	2.1	2.8	2.7	2.5
NO. SUBJECTS RESPONDING	34	28	49	33	26	44	29	50	40	333

If you have a short-order line available in your mess hall, answer the following. Tell us your opinion of the variety of the *short-order* menu only from day to day.

a. For the weekdays (Monday thru Friday)

	A	B	C	D	E	F	G	H	I	MEAN
1— No variety	20.0	43.3	18.4	7.1	38.5	27.3	25.0	37.5	30.9	27.7
2	26.7	20.0	28.6	21.4	19.2	18.2	28.6	16.7	23.8	22.5
3	26.7	10.0	20.4	28.6	15.4	25.0	14.3	29.2	16.7	21.2
4— About right	23.3	20.0	22.4	35.7	26.9	18.2	28.6	14.6	19.1	22.1
5	0.0	3.3	4.1	0.0	0.0	9.1	3.6	2.1	9.5	4.0
6	3.3	3.3	6.1	7.1	0.0	2.3	0.0	0.0	0.0	2.5
7— Too much variety	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	2.7	2.3	2.8	3.2	2.3	2.7	2.6	2.3	2.5	2.6
STANDARD DEVIATION	1.2	1.5	1.4	1.2	1.3	1.4	1.3	1.2	1.4	1.3
MEDIAN	2.6	1.8	2.7	3.2	2.1	2.7	2.4	2.3	2.3	2.5
NO. SUBJECTS RESPONDING	30	30	49	28	26	44	28	48	42	325

b. For the weekends (Saturdays and Sundays only)

	A	B	C	D	E	F	G	H	I	MEAN
1— No variety	17.2	46.4	22.2	29.6	42.3	37.2	37.0	37.5	31.7	33.1
2	27.6	32.1	40.0	11.1	30.8	27.9	14.8	18.7	22.0	25.5
3	27.6	10.7	15.6	29.6	7.7	18.6	33.3	29.2	17.1	21.0
4— About right	24.1	7.1	20.0	25.9	15.4	14.0	7.4	12.5	26.8	17.2
5	3.5	0.0	2.2	0.0	0.0	2.3	7.4	2.1	2.4	2.2
6	0.0	3.6	0.0	3.7	3.8	0.0	0.0	0.0	0.0	1.0
7— Too much variety	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	2.7	1.9	2.4	2.7	2.1	2.2	2.3	2.2	2.5	2.3
STANDARD DEVIATION	1.1	1.2	1.1	1.4	1.3	1.2	1.3	1.2	1.3	1.2
MEDIAN	2.7	1.6	2.2	2.8	1.8	2.0	2.4	2.2	2.3	2.2
NO. SUBJECTS RESPONDING	29	28	45	27	26	43	27	48	41	314

What is your opinion of the *preparation* of the food in your mess hall for the *normal meal* only? (Exclude the short-order meal.)

	A	B	C	D	E	F	G	H	I	MEAN
1— Unacceptable (I can't eat it)	0.0	3.2	3.9	11.8	7.7	4.4	6.9	12.5	9.3	6.7
2	38.2	35.5	21.6	23.5	46.2	26.7	34.5	35.4	20.9	30.2
3	23.5	32.3	29.4	23.5	26.9	33.3	20.7	35.4	30.2	29.0
4— Average	38.2	16.1	37.3	29.4	19.2	26.7	34.5	14.6	30.2	27.6
5	0.0	3.2	7.8	5.9	0.0	4.4	3.4	2.1	4.7	3.8
6	0.0	6.5	0.0	5.9	0.0	4.4	0.0	0.0	2.3	2.1
7— Excellent (could not be better)	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.6
MEAN	3.0	3.1	3.2	3.1	2.6	3.1	2.9	2.6	3.2	3.0
STANDARD DEVIATION	0.9	1.4	1.0	1.3	0.9	1.1	1.1	1.0	1.3	1.1
MEDIAN	3.0	2.9	3.3	3.1	2.4	3.1	2.9	2.6	3.2	2.9
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	48	43	341

Answer the following only if you have a short-order line in your mess hall. What is your opinion of the *preparation* of the food in the *short-order* line?

	A	B	C	D	E	F	G	H	I	MEAN
1— Unacceptable (I can't eat it)	0.0	0.0	4.3	14.8	3.8	8.9	14.3	8.3	7.1	6.8
2	30.0	26.7	14.9	14.8	38.5	11.1	14.3	27.1	19.1	21.0
3	20.0	40.0	27.7	25.9	23.1	33.3	35.7	33.3	21.4	29.1
4— Average	33.3	20.0	38.3	29.6	30.8	35.6	25.0	25.0	33.3	30.7
5	10.0	3.3	12.8	7.4	0.0	6.7	0.0	6.3	16.7	7.7
6	6.7	6.7	0.0	3.7	3.8	2.2	3.6	0.0	0.0	2.5
7— Excellent (could not be better)	0.0	3.3	2.1	3.7	0.0	2.2	7.1	0.0	2.4	2.2
MEAN	3.4	3.3	3.5	3.3	3.0	3.4	3.2	2.9	3.4	3.3
STANDARD DEVIATION	1.2	1.3	1.2	1.5	1.1	1.2	1.6	1.1	1.3	1.3
MEDIAN	3.5	3.1	3.6	3.3	2.8	3.4	3.1	2.9	3.6	3.3
NO. SUBJECTS RESPONDING	30	30	47	27	26	45	28	48	42	323

Is the food in your mess hall ever:

a. Overcooked

	A	B	C	D	E	F	G	H	I	MEAN
Never	11.8	16.1	12.0	11.8	26.9	2.2	27.6	6.2	20.9	13.8
Sometimes	67.6	54.8	68.0	61.8	42.3	88.9	55.2	75.0	48.8	64.4
Often	20.6	29.0	16.0	26.5	30.8	8.9	17.2	16.7	25.6	20.3
Always	0.0	0.0	4.0	0.0	0.0	0.0	0.0	2.1	4.7	1.5
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	48	43	340

b. Undercooked

	A	B	C	D	E	F	G	H	I	MEAN
Never	2.9	6.4	12.0	8.8	0.0	4.4	6.9	4.1	13.9	7.0
Sometimes	50.0	45.2	50.0	58.8	34.6	62.2	55.2	51.0	39.5	50.2
Often	35.3	45.2	36.0	29.4	57.7	33.3	31.0	42.9	42.0	38.7
Always	11.8	3.2	2.0	2.9	7.7	0.0	6.9	2.0	4.6	4.1
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	49	43	341

c. Cold

	A	B	C	D	E	F	G	H	I	MEAN
Never	14.7	16.1	18.0	2.9	7.7	8.9	6.9	4.1	4.6	9.4
Sometimes	29.4	29.0	64.0	52.9	26.9	55.6	51.7	40.8	60.5	47.5
Often	50.0	45.2	16.0	41.2	50.0	31.1	34.5	40.8	27.9	35.8
Always	5.9	9.7	2.0	2.9	15.4	4.4	6.9	14.3	7.0	7.3
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	49	43	341

d. Tasteless or bland

	A	B	C	D	E	F	G	H	I	MEAN
Never	5.9	9.7	8.0	2.9	7.7	6.7	10.3	6.1	14.0	7.9
Sometimes	44.1	38.7	46.0	35.3	15.4	40.0	37.9	24.5	39.5	36.4
Often	32.4	38.7	42.0	50.0	53.8	42.2	41.4	51.0	32.6	42.5
Always	17.6	12.9	4.0	11.8	23.1	11.1	10.3	18.4	13.9	13.2
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	49	43	341

e. Burned

	A	B	C	D	E	F	G	H	I	MEAN
Never	26.5	35.5	18.0	11.8	15.4	15.6	31.0	8.2	13.9	18.5
Sometimes	58.8	48.4	68.0	76.5	57.7	75.6	55.2	61.2	60.5	63.3
Often	14.7	16.1	14.0	11.8	23.1	8.9	13.8	30.6	23.3	17.6
Always	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	2.3	0.6
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	49	43	341

f. Dried out

	A	B	C	D	E	F	G	H	I	MEAN
Never	14.7	10.0	22.0	8.8	7.7	15.6	6.9	10.2	9.3	12.4
Sometimes	52.9	56.7	48.0	64.7	50.0	66.7	62.1	63.3	60.5	58.5
Often	26.5	33.3	30.0	17.7	34.6	15.6	27.6	24.5	27.9	25.9
Always	5.9	0.0	0.0	8.8	7.7	2.2	3.4	2.0	2.3	3.2
NO. SUBJECTS RESPONDING	34	30	50	34	26	45	29	49	43	340

g. Greasy

	A	B	C	D	E	F	G	H	I	MEAN
Never	5.9	6.4	4.0	2.9	0.0	4.4	0.0	4.1	4.6	3.8
Sometimes	26.5	19.4	38.0	23.5	11.5	40.0	55.2	40.8	30.2	32.8
Often	32.3	51.6	44.0	35.3	42.3	42.2	27.6	38.8	41.9	39.9
Always	35.3	22.6	14.0	38.2	46.2	13.3	17.2	16.3	23.3	23.5
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	49	43	341

h. Tough

	A	B	C	D	E	F	G	H	I	MEAN
Never	2.9	3.2	2.0	0.0	0.0	4.4	3.5	4.1	4.6	2.9
Sometimes	52.9	48.4	48.0	54.5	11.5	51.1	37.9	30.6	48.8	43.5
Often	38.2	41.9	34.0	39.4	69.2	35.6	34.5	44.9	32.6	40.0
Always	5.9	6.5	16.0	6.1	19.2	8.9	24.1	20.4	14.0	13.5
NO. SUBJECTS RESPONDING	34	31	50	33	26	45	29	49	43	340

i. Too spicy

	A	B	C	D	E	F	G	H	I	MEAN
Never	58.8	29.0	46.0	55.9	42.3	42.2	62.1	40.8	34.9	45.2
Sometimes	35.3	61.2	38.0	38.2	42.3	53.3	27.6	44.9	53.5	44.3
Often	5.9	6.5	16.0	5.9	11.5	4.4	10.3	14.3	9.3	9.7
Always	0.0	3.2	0.0	0.0	3.9	0.0	0.0	0.0	2.3	0.9
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	49	43	341

j. Raw

	A	B	C	D	E	F	G	H	I	MEAN
Never	32.4	35.5	28.0	47.1	19.2	28.9	20.7	22.9	28.6	29.2
Sometimes	38.2	51.6	50.0	44.1	53.8	53.3	55.2	56.3	52.4	50.7
Often	23.5	12.9	20.0	8.8	23.1	17.8	17.2	20.8	16.7	18.0
Always	5.9	0.0	2.0	0.0	3.8	0.0	6.9	0.0	2.4	2.1
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	48	42	339

k. Still Frozen

	A	B	C	D	E	F	G	H	I	MEAN
Mean	67.7	74.2	74.0	51.5	61.5	73.3	86.2	55.1	72.1	68.2
Sometimes	29.4	25.8	22.0	48.5	26.9	26.7	6.9	40.8	27.9	28.8
Often	2.9	0.0	4.0	0.0	11.5	0.0	3.5	4.1	0.0	2.7
Always	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.3
NO. SUBJECTS RESPONDING	34	31	50	33	26	45	29	49	43	340

l. Too Salty

	A	B	C	D	E	F	G	H	I	MEAN
Never	64.7	67.7	66.0	41.2	57.7	48.9	79.3	59.2	48.8	58.6
Sometimes	35.3	29.0	26.0	52.9	42.3	44.4	17.2	32.6	41.9	35.8
Often	0.0	3.2	6.0	2.9	0.0	6.7	3.5	8.2	9.3	5.0
Always	0.0	0.0	2.0	2.9	0.0	0.0	0.0	0.0	0.0	0.6
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	49	43	341

What is your opinion of the *quality of the food* itself, that is, aside from the preparation?

	A	B	C	D	E	F	G	H	I	MEAN
1— Unacceptable	8.8	3.3	2.0	5.9	0.0	4.4	13.8	14.3	4.6	6.5
2	11.8	26.7	8.0	14.7	19.2	13.3	17.2	14.3	20.9	15.6
3	29.4	33.3	34.0	26.5	42.3	22.2	37.9	28.6	18.6	29.4
4— Average	35.3	23.3	26.0	29.4	34.6	44.4	17.2	28.6	27.9	30.0
5	8.8	3.3	12.0	11.8	3.9	8.9	6.9	8.2	14.0	9.1
6	5.9	6.7	14.0	11.8	0.0	4.4	6.9	6.1	7.0	7.3
7— Excellent	0.0	3.3	4.0	0.0	0.0	2.2	0.0	0.0	7.0	2.1
MEAN	3.4	3.3	4.0	3.6	3.2	3.6	3.1	3.2	3.7	3.5
STANDARD DEVIATION	1.3	1.4	1.4	1.4	0.8	1.2	1.4	1.4	1.6	1.4
MEDIAN	3.5	3.1	3.7	3.6	3.2	3.7	3.3	3.2	3.7	3.4
NO. SUBJECTS RESPONDING	34	30	50	34	26	45	29	49	43	340

Do you ever find that the food in your mess hall is, or has:

a. Gristle or tendon

	A	B	C	D	E	F	G	H	I	MEAN
Never	5.9	12.9	14.3	5.9	0.0	4.4	10.3	8.2	11.6	8.5
Sometimes	55.9	41.9	44.9	58.8	50.0	75.6	51.7	38.8	55.8	52.7
Often	29.4	35.5	30.6	35.3	46.2	17.8	37.9	42.9	30.2	33.2
Always	8.8	9.7	10.2	0.0	3.8	2.2	0.0	10.2	2.3	5.6
NO. SUBJECTS RESPONDING	34	31	49	34	26	45	29	49	43	340

b. Excess fat

	A	B	C	D	E	F	G	H	I	MEAN
Never	2.9	6.5	5.9	8.8	0.0	2.2	10.3	0.0	2.3	4.1
Sometimes	50.0	41.9	47.1	47.1	38.5	51.1	44.8	46.9	53.5	47.4
Often	41.2	38.7	35.3	32.3	53.8	42.2	31.0	38.8	30.2	37.7
Always	5.9	12.9	11.8	11.8	7.7	4.4	13.8	14.3	14.0	10.8
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	49	43	342

c. Stringy

	A	B	C	D	E	F	G	H	I	MEAN
Never	17.7	9.7	10.0	17.7	3.9	6.7	13.8	8.2	14.0	11.1
Sometimes	52.9	48.4	60.0	58.8	61.5	68.9	55.2	53.1	58.1	57.8
Often	20.6	38.7	22.0	20.6	34.6	24.4	24.1	36.7	27.9	27.6
Always	8.8	3.2	8.0	2.9	0.0	0.0	6.9	2.0	0.0	3.5
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	49	43	341

d. Tough

	A	B	C	D	E	F	G	H	I	MEAN
Never	2.9	3.2	2.0	8.8	0.0	0.0	3.5	0.0	4.6	2.6
Sometimes	47.1	41.9	45.1	47.1	26.9	57.8	44.8	30.6	44.2	43.3
Often	38.2	48.4	39.2	38.2	69.2	37.8	37.9	51.0	41.9	43.9
Always	11.8	6.5	13.7	5.9	3.9	4.4	13.8	18.4	9.3	10.2
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	49	43	342

e. Damaged or bruised (e.g., fruit or vegetables)

	A	B	C	D	E	F	G	H	I	MEAN
Never	17.7	16.1	16.0	14.7	0.0	11.1	27.6	4.1	13.9	13.2
Sometimes	44.1	51.6	36.0	47.1	57.7	51.1	51.7	59.2	53.5	49.9
Often	23.5	32.3	38.0	35.3	38.5	31.1	17.2	24.5	25.6	29.6
Always	14.7	0.0	10.0	2.9	3.8	6.7	3.5	12.2	7.0	7.3
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	49	43	341

f. Over-ripe fruit

	A	B	C	D	E	F	G	H	I	MEAN
Never	41.2	35.5	25.5	20.6	26.9	24.4	37.9	17.0	25.6	27.4
Sometimes	44.1	45.2	49.0	61.8	65.4	48.9	51.7	44.7	44.2	49.7
Often	14.7	19.3	19.6	17.6	7.7	20.0	6.9	31.9	27.9	19.7
Always	0.0	0.0	5.9	0.0	0.0	6.7	3.5	6.4	2.3	3.2
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	47	43	340

g. Under-ripe fruit

	A	B	C	D	E	F	G	H	I	MEAN
Never	17.7	35.5	11.8	26.5	23.1	17.8	34.5	14.6	16.3	20.5
Sometimes	52.9	51.6	52.9	58.8	65.4	62.2	51.7	62.5	62.8	58.1
Often	23.5	12.9	31.4	14.7	11.5	20.0	10.3	18.7	18.6	19.1
Always	5.9	0.0	3.9	0.0	0.0	0.0	3.5	4.2	2.3	2.3
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	48	43	341

h. Stale

	A	B	C	D	E	F	G	H	I	MEAN
Never	14.7	29.0	37.3	23.5	19.2	15.6	20.7	16.7	27.9	23.2
Sometimes	61.8	38.7	49.0	35.3	61.5	57.8	48.3	56.2	37.2	49.6
Often	23.5	32.3	9.8	38.2	15.4	26.7	24.1	25.0	32.6	24.9
Always	0.0	0.0	3.9	2.9	3.9	0.0	6.9	2.1	2.3	2.3
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	48	43	341

i. Old looking

	A	B	C	D	E	F	G	H	I	MEAN
Never	23.5	12.9	17.6	14.7	8.0	13.3	17.2	16.3	16.3	15.8
Sometimes	58.8	61.3	51.0	50.0	40.0	53.3	44.8	46.9	55.8	51.6
Often	11.8	25.8	25.5	32.4	48.0	28.9	31.0	26.5	25.6	27.6
Always	5.9	0.0	5.9	2.9	4.0	4.4	6.9	10.2	2.3	5.0
NO. SUBJECTS RESPONDING	34	31	51	34	25	45	29	49	43	341

j. Sour (e.g., milk)

	A	B	C	D	E	F	G	H	I	MEAN
Never	64.7	58.1	45.1	44.1	53.9	75.6	58.6	53.1	65.1	57.6
Sometimes	32.4	35.5	49.0	50.0	38.5	24.4	34.5	38.8	34.9	37.7
Often	2.9	6.4	5.9	5.9	3.8	0.0	3.4	6.1	0.0	3.8
Always	0.0	0.0	0.0	0.0	3.8	0.0	3.5	2.0	0.0	0.9
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	49	43	342

k. Spoiled

	A	B	C	D	E	F	G	H	I	MEAN
Never	58.8	64.5	58.8	58.8	46.2	86.7	65.5	57.1	62.8	62.9
Sometimes	38.2	32.3	35.3	41.2	50.0	13.3	24.1	36.7	34.9	33.3
Often	2.9	3.2	3.9	0.0	3.8	0.0	3.5	2.0	2.3	2.3
Always	0.0	0.0	2.0	0.0	0.0	0.0	6.9	4.1	0.0	1.5
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	49	43	342

l. Off-flavor or odor

	A	B	C	D	E	F	G	H	I	MEAN
Never	23.5	32.3	21.6	23.5	11.5	36.4	34.5	22.4	34.9	27.0
Sometimes	58.8	64.5	58.8	67.7	57.7	50.0	55.2	51.0	53.5	56.9
Often	17.7	3.2	13.7	5.9	23.1	13.6	3.4	22.5	9.3	12.9
Always	0.0	0.0	5.9	2.9	7.7	0.0	6.9	4.1	2.3	3.2
NO. SUBJECTS RESPONDING	34	31	51	34	26	44	29	49	43	341

Answer the following questions for the *normal meal* only. Exclude the short-order meal.

a. What is your opinion of the amount of meat served:

	A	B	C	D	E	F	G	H	I	MEAN
1— Too little	32.4	29.0	35.3	32.4	42.3	33.3	31.0	30.6	27.9	32.5
2	17.6	35.5	13.7	11.8	38.5	33.3	34.5	16.3	23.3	23.7
3	26.5	22.6	27.4	11.8	19.2	20.0	24.1	40.8	25.6	25.1
4— About right	14.7	9.7	19.6	38.2	0.0	13.3	6.9	8.2	20.9	15.2
5	5.9	3.2	2.0	2.9	0.0	0.0	3.5	2.0	0.0	2.0
6	2.9	0.0	2.0	2.9	0.0	0.0	0.0	2.0	2.3	1.5
7— Too much	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	2.5	2.2	2.4	2.8	1.8	2.1	2.2	2.4	2.5	2.4
STANDARD DEVIATION	1.4	1.1	1.3	1.5	0.8	1.0	1.1	1.2	1.2	1.2
MEDIAN	2.5	2.1	2.5	3.0	1.7	2.0	2.1	2.6	2.5	2.2
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	49	43	342

b. What is your opinion of the amount of vegetables served:

	A	B	C	D	E	F	G	H	I	MEAN
1— Too little	14.7	6.7	7.8	8.8	11.5	11.1	10.3	6.1	18.6	10.6
2	14.7	3.3	9.8	11.8	15.4	11.1	6.9	10.2	16.3	11.1
3	11.8	10.0	21.6	11.8	19.2	24.4	31.0	34.7	13.9	20.5
4— About right	47.1	60.0	47.1	47.1	53.9	40.0	34.5	40.8	41.9	45.2
5	5.9	20.0	7.8	11.8	0.0	8.9	10.3	4.1	7.0	8.2
6	5.9	0.0	5.9	2.9	0.0	0.0	6.9	2.0	2.3	2.9
7— Too much	0.0	0.0	0.0	5.9	0.0	4.4	0.0	2.0	0.0	1.5
MEAN	3.3	3.8	3.5	3.7	3.2	3.4	3.5	3.4	3.1	3.4
STANDARD DEVIATION	1.4	1.0	1.2	1.5	1.1	1.4	1.3	1.1	1.4	1.3
MEDIAN	3.7	4.0	3.7	3.9	3.6	3.6	3.5	3.5	3.5	3.7
NO. SUBJECTS RESPONDING	34	30	51	34	26	45	29	49	43	341

c. What is your opinion of the amount of potatoes served:

	A	B	C	D	E	F	G	H	I	MEAN
1— Too little	5.9	3.2	8.0	5.9	3.8	11.1	6.9	10.2	9.3	7.6
2	0.0	3.2	4.0	2.9	3.8	6.7	3.5	10.2	4.7	4.7
3	5.9	12.9	12.0	5.9	23.1	22.2	17.2	16.3	9.3	13.8
4— About right	23.5	35.5	36.0	32.4	23.1	22.2	27.6	28.6	44.2	30.8
5	11.8	9.7	8.0	8.8	0.0	11.1	10.3	8.2	2.3	7.9
6	23.5	12.9	8.0	11.8	11.5	4.4	20.7	12.2	4.6	11.4
7— Too much	29.4	22.6	24.0	32.4	34.6	22.2	13.8	14.3	25.6	23.8
MEAN	5.2	4.7	4.5	5.0	4.8	4.2	4.5	4.1	4.4	4.6
STANDARD DEVIATION	1.7	1.7	1.8	1.8	1.9	2.0	1.7	1.8	1.9	1.8
MEDIAN	5.6	4.4	4.2	4.8	4.3	4.0	4.3	4.0	4.1	4.3
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	49	43	341

Do you ever leave your mess hall hungry?

	A	B	C	D	E	F	G	H	I	MEAN
Never	11.8	9.7	13.7	17.7	3.8	4.4	6.9	8.2	7.0	9.4
Sometimes	50.0	64.5	41.2	50.0	30.8	62.2	41.4	34.7	51.2	47.4
Often	26.5	22.6	33.3	29.4	53.9	24.4	34.5	32.6	30.2	31.3
Always	11.8	3.2	11.8	2.9	11.5	8.9	17.2	24.5	11.6	12.0
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	49	43	342

Do you ever skip a meal at your mess hall because you are not hungry?

	A	B	C	D	E	F	G	H	I	MEAN
Never	26.5	38.7	23.5	17.7	3.8	20.0	24.1	22.4	18.6	21.9
Sometimes	38.2	41.9	60.8	50.0	73.1	57.8	72.4	67.4	67.4	59.1
Often	32.4	12.9	9.8	23.5	23.1	20.0	3.5	6.1	4.7	14.3
Always	2.9	6.5	5.9	8.8	0.0	2.2	0.0	4.1	9.3	4.7
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	49	43	342

Do you ever skip a meal at your mess hall because you think you are gaining too much weight?

	A	B	C	D	E	F	G	H	I	MEAN
Never	55.9	58.1	62.7	57.6	80.8	68.9	86.2	87.8	81.4	71.3
Sometimes	8.8	29.0	25.5	24.2	11.5	15.6	10.3	4.1	14.0	15.8
Often	32.4	12.9	9.8	15.2	7.7	11.1	3.5	6.1	2.3	10.8
Always	2.9	0.0	2.0	3.0	0.0	4.4	0.0	2.0	2.3	2.1
NO. SUBJECTS RESPONDING	34	31	51	33	26	45	29	49	43	341

Do you serve yourself or do the mess hall personnel serve you the following items?
Circle the items which you serve yourself.³

	A	B	C	D	E	F	G	H	I	MEAN
	Percentage of mess hall answering affirmatively:									
Meat item	14.7	0.0	7.8	5.9	3.8	2.2	3.4	10.0	7.0	6.4
Potatoes	17.7	3.2	9.8	8.8	3.8	4.4	6.9	16.0	7.0	9.0
Vegetables	61.8	80.6	66.7	64.7	69.2	24.4	75.9	44.0	20.9	53.6
Salad	88.2	96.8	94.1	91.2	88.5	93.3	93.1	80.0	79.1	88.9
Dessert	79.4	96.8	33.3	17.6	30.8	17.8	51.7	68.0	79.1	52.2
Beverage	91.2	100.0	96.1	91.2	88.5	97.8	100.0	86.0	97.7	94.2

If you had your choice, which of the following items would you prefer to serve yourself? Circle those items which you would prefer to serve yourself.³

	A	B	C	D	E	F	G	H	I	MEAN
	Percentage of mess hall answering affirmatively:									
Meat item	76.5	77.4	82.4	79.4	96.2	68.9	89.7	88.0	74.4	80.8
Potatoes	61.8	51.6	54.9	44.1	69.2	62.2	55.2	60.0	58.1	57.4
Vegetables	70.6	64.5	64.7	55.9	69.2	71.1	62.1	58.0	65.1	64.4
Salad	58.8	67.7	64.7	61.8	69.2	60.0	65.5	64.0	62.8	63.6
Dessert	64.7	74.2	88.2	64.7	76.9	66.7	72.4	66.0	65.1	71.1
Beverage	70.6	90.3	74.5	82.4	88.5	75.6	69.0	70.0	76.7	76.7

³Note: Percentages do not add up to 100% because subjects were permitted to choose as many or as few items as desired.

Do you ever not eat or throw away any of the food which you are served in your mess hall?

a. Meat item

	A	B	C	D	E	F	G	H	I	MEAN
Never	15.2	32.3	17.7	18.2	7.7	24.4	20.7	20.4	20.9	20.0
Sometimes	63.6	54.8	68.6	69.7	73.1	71.1	51.7	51.0	48.8	61.2
Often	21.2	12.9	13.7	12.1	19.2	4.4	27.6	22.5	30.2	17.9
Always	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.9
NO. SUBJECTS RESPONDING	33	31	51	33	26	45	29	49	43	340

b. Potatoes

	A	B	C	D	E	F	G	H	I	MEAN
Never	20.6	19.3	19.6	3.0	0.0	13.3	20.7	16.3	11.6	14.4
Sometimes	38.2	35.5	52.9	51.5	57.7	60.0	48.3	34.7	51.2	47.8
Often	38.2	38.7	27.5	33.3	38.5	24.4	27.6	38.8	32.6	32.8
Always	2.9	6.4	0.0	12.1	3.8	2.2	3.4	10.2	4.6	5.0
NO. SUBJECTS RESPONDING	34	31	51	33	26	45	29	49	43	341

c. Vegetables

	A	B	C	D	E	F	G	H	I	MEAN
Never	21.2	19.4	15.7	17.7	11.5	15.6	34.5	14.3	14.0	17.6
Sometimes	39.4	48.4	56.9	55.9	65.4	68.9	41.4	53.1	48.8	53.7
Often	36.4	29.0	23.5	23.5	11.5	15.6	17.2	26.5	25.6	23.5
Always	3.0	3.2	3.9	2.9	11.5	0.0	6.9	6.1	11.6	5.3
NO. SUBJECTS RESPONDING	33	31	51	34	26	45	29	49	43	341

d. Salad

	A	B	C	D	E	F	G	H	I	MEAN
Never	33.3	54.8	29.4	26.5	38.5	35.6	62.1	26.5	23.3	34.9
Sometimes	42.4	41.9	60.8	52.9	46.2	60.0	27.6	53.1	53.5	50.4
Often	21.2	0.0	7.8	17.7	7.7	2.2	6.9	14.3	11.6	10.0
Always	3.0	3.2	2.0	2.9	7.7	2.2	3.4	6.1	11.6	4.7
NO. SUBJECTS RESPONDING	33	31	51	34	26	45	29	49	43	341

e. Dessert

	A	B	C	D	E	F	G	H	I	MEAN
Never	9.1	35.5	25.5	14.7	11.5	20.0	34.5	16.3	11.6	19.7
Sometimes	57.6	54.8	66.7	70.6	57.7	66.7	55.2	57.1	62.8	61.6
Often	24.2	9.7	5.9	8.8	30.8	11.1	6.9	24.5	25.6	16.1
Always	9.1	0.0	2.0	5.9	0.0	2.2	3.4	2.0	0.0	2.6
NO. SUBJECTS RESPONDING	33	31	51	34	26	45	29	49	43	341

f. Beverage

	A	B	C	D	E	F	G	H	I	MEAN
Never	78.1	82.8	74.0	58.8	61.5	84.4	86.2	61.2	69.8	72.7
Sometimes	15.6	17.2	22.0	41.2	30.8	13.3	13.8	32.7	25.6	23.7
Often	3.1	0.0	4.0	0.0	7.7	2.2	0.0	4.1	2.3	2.7
Always	3.1	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.3	0.9
NO. SUBJECTS RESPONDING	32	29	50	34	26	45	29	49	43	337

If you do throw food away or not eat any of the food, tell us how much of each item.

a. Meat item

	A	B	C	D	E	F	G	H	I	MEAN
None	18.2	32.3	17.6	17.7	7.7	27.3	20.7	20.4	18.6	20.3
A little	69.7	38.7	64.7	64.7	80.8	70.4	58.6	61.2	53.5	62.4
A lot	12.1	25.8	15.7	14.7	7.7	2.3	13.8	14.3	25.6	14.7
All	0.0	3.2	2.0	2.9	3.8	0.0	6.9	4.1	2.3	2.6
NO. SUBJECTS RESPONDING	33	31	51	34	26	44	29	49	43	340

b. Potatoes

	A	B	C	D	E	F	G	H	I	MEAN
None	20.6	19.3	21.6	5.9	4.0	13.6	20.7	16.3	12.2	15.4
A little	29.4	35.5	39.2	47.1	60.0	59.1	58.6	61.2	48.8	48.8
A lot	47.1	35.5	39.2	44.1	36.0	25.0	17.2	16.3	26.8	31.4
All	2.9	9.7	0.0	2.9	0.0	2.3	3.5	6.1	12.2	4.4
NO. SUBJECTS RESPONDING	34	31	51	34	25	44	29	49	41	338

c. Vegetables

	A	B	C	D	E	F	G	H	I	MEAN
None	15.2	16.1	9.8	23.5	11.5	17.8	31.0	12.2	11.9	15.9
A little	60.6	48.4	58.8	50.0	42.3	60.0	41.4	67.4	59.5	55.9
A lot	18.2	32.3	23.5	26.5	42.3	20.0	24.1	16.3	21.4	23.8
All	6.1	3.2	7.8	0.0	3.9	2.2	25.	4.1	7.1	4.4
NO. SUBJECTS RESPONDING	33	31	51	34	26	45	29	49	42	340

d. Salad

	A	B	C	D	E	F	G	H	I	MEAN
None	36.4	51.6	24.0	26.5	38.5	27.3	44.8	20.4	26.2	31.1
A little	48.5	38.7	66.0	50.0	30.8	59.1	51.7	65.3	59.5	54.4
A lot	12.1	6.5	10.0	20.6	19.2	9.1	3.4	8.2	4.8	10.1
All	3.0	3.2	0.0	2.9	11.5	4.5	0.0	6.1	9.5	4.4
NO. SUBJECTS RESPONDING	33	31	50	34	26	44	29	49	42	338

e. Dessert

	A	B	C	D	E	F	G	H	I	MEAN
None	6.1	29.0	32.0	14.7	15.4	20.5	41.4	20.4	14.6	21.7
A little	63.6	48.4	50.0	67.6	53.8	63.6	51.7	53.1	53.7	56.1
A lot	24.2	19.4	14.0	11.8	26.9	9.1	6.9	20.4	24.4	17.2
All	6.1	3.2	4.0	5.9	3.9	6.8	0.0	6.1	7.3	5.0
NO. SUBJECTS RESPONDING	33	31	50	34	26	44	29	49	41	337

f. Beverage

	A	B	C	D	E	F	G	H	I	MEAN
None	75.0	80.0	70.0	58.8	68.0	81.8	79.3	57.1	69.8	70.5
A little	18.8	13.3	26.0	35.3	28.0	15.9	17.2	36.7	25.6	24.7
A lot	3.1	3.3	4.0	0.0	4.0	2.3	0.0	0.0	2.3	2.1
All	3.1	3.3	0.0	5.9	0.0	0.0	3.5	6.1	2.3	2.7
NO. SUBJECTS RESPONDING	32	30	50	34	25	44	29	49	43	336

What is your opinion of the ability of the cooks in your mess hall?

	A	B	C	D	E	F	G	H	I	MEAN
1— Very poor	20.6	10.0	16.0	14.7	30.8	13.6	31.0	10.4	22.5	17.9
2	14.7	13.3	18.0	14.7	23.1	15.9	10.3	12.5	5.0	14.0
3	14.7	20.0	20.0	23.5	23.1	25.0	20.7	20.8	10.0	19.7
4— Average	35.3	20.0	36.0	38.2	23.1	27.3	27.6	43.8	35.0	32.8
5	2.9	23.3	4.0	2.9	0.0	15.9	3.5	12.5	17.5	9.6
6	8.8	10.0	6.0	2.9	0.0	0.0	6.9	0.0	0.0	3.6
7— Excellent	2.9	3.3	0.0	2.9	0.0	2.3	0.0	0.0	10.0	2.4
MEAN	3.2	3.8	3.1	3.2	2.4	3.2	2.8	3.4	3.6	3.2
STANDARD DEVIATION	1.7	1.6	1.4	1.4	1.2	1.4	1.6	1.2	1.8	1.5
MEDIAN	3.5	3.8	3.3	3.4	2.3	3.3	2.9	3.6	3.9	3.4
NO. SUBJECTS RESPONDING	34	30	50	34	26	44	29	48	40	335

Do you think the cooks in your mess hall are doing their job to the best of their ability?

	A	B	C	D	E	F	G	H	I	MEAN
1— No, definitely not	17.7	16.1	21.6	23.5	53.8	24.4	34.5	16.0	37.2	25.9
2	8.8	9.7	15.7	11.8	19.2	11.1	13.8	4.0	9.3	11.1
3	20.6	19.3	15.7	17.7	15.4	17.8	17.2	14.0	9.3	16.0
4	23.5	22.6	27.4	14.7	3.9	26.7	13.8	30.0	20.9	21.9
5	2.9	12.9	9.8	17.7	7.7	8.9	10.3	10.0	7.0	9.6
6	14.7	9.7	5.9	2.9	0.0	2.2	10.3	10.0	11.6	7.6
7— Yes, very much so	11.8	9.7	3.9	11.8	0.0	8.9	0.0	16.0	4.7	7.9
MEAN	3.8	3.7	3.2	3.5	1.9	3.3	2.8	4.1	3.0	3.3
STANDARD DEVIATION	2.0	1.9	1.7	2.0	1.3	1.8	1.8	1.9	2.0	1.9
MEDIAN	3.6	3.7	3.3	3.3	1.4	3.3	2.6	4.0	2.9	3.3
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

Do you consider the sanitary conditions in the *dining room* of your mess hall to be satisfactory or unsatisfactory?

	A	B	C	D	E	F	G	H	I	MEAN
Satisfactory	82.4	83.9	78.4	91.2	73.1	84.4	69.0	88.0	86.0	82.5
Unsatisfactory	17.6	16.1	21.6	8.8	26.9	15.6	31.0	12.0	14.0	17.5
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

Do you consider the sanitary conditions of the *kitchen area* of your mess hall to be satisfactory or unsatisfactory?

	A	B	C	D	E	F	G	H	I	MEAN
Satisfactory	72.7	83.9	74.5	94.1	69.2	80.0	75.9	86.0	81.4	80.1
Unsatisfactory	27.3	16.1	25.5	5.9	30.8	20.0	24.1	14.0	18.6	19.1
NO. SUBJECTS RESPONDING	33	31	51	34	26	45	29	50	43	343

Do you consider the sanitary conditions of the *outside of your mess hall* to be satisfactory or unsatisfactory?

	A	B	C	D	E	F	G	H	I	MEAN
Satisfactory	82.4	83.9	84.3	91.2	80.8	82.2	72.4	84.0	69.8	81.3
Unsatisfactory	17.6	16.1	15.7	8.8	19.2	17.8	27.6	16.0	30.2	18.7
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

Do you ever find the following in your mess hall?

a. Dirty silverware

	A	B	C	D	E	F	G	H	I	MEAN
Never	23.5	16.1	9.8	2.9	7.7	20.0	10.3	16.0	11.6	13.4
Sometimes	50.0	67.7	66.7	64.7	69.2	71.1	65.5	64.0	67.4	65.3
Often	23.5	16.1	17.6	26.5	19.2	8.9	17.2	12.0	20.9	17.5
Always	2.9	0.0	5.9	5.9	3.9	0.0	6.9	8.0	0.0	3.8
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

b. Dirty trays

	A	B	C	D	E	F	G	H	I	MEAN
Never	14.7	29.0	0.0	2.9	3.9	15.6	17.2	24.0	20.9	14.3
Sometimes	64.7	58.1	52.9	76.5	53.8	71.1	58.6	56.0	62.8	61.5
Often	17.7	12.9	37.3	14.7	30.8	13.3	20.7	14.0	16.3	19.8
Always	2.9	0.0	9.8	5.9	11.5	0.0	3.5	6.0	0.0	4.4
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

c. Dirty dishes and glasses

	A	B	C	D	E	F	G	H	I	MEAN
Never	35.3	38.7	7.8	5.8	19.2	20.0	17.2	16.0	13.9	18.4
Sometimes	47.1	45.2	66.7	64.7	50.0	75.6	55.2	64.0	72.1	61.8
Often	14.7	16.1	19.6	23.5	30.8	4.4	20.7	10.0	14.0	16.0
Always	2.9	0.0	5.9	5.9	0.0	0.0	6.9	10.0	0.0	3.8
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

d. Dirty floors

	A	B	C	D	E	F	G	H	I	MEAN
Never	52.9	48.4	29.4	58.8	34.6	75.6	34.5	60.0	34.9	48.4
Sometimes	35.3	48.4	58.8	35.3	57.7	17.8	48.3	36.0	58.1	43.4
Often	11.8	3.2	7.8	2.9	7.7	6.7	10.3	2.0	7.0	6.4
Always	0.0	0.0	3.9	2.9	0.0	0.0	6.9	2.0	0.0	1.8
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

e. Dirty tables and chairs

	A	B	C	D	E	F	G	H	I	MEAN
Never	47.1	41.9	15.7	29.4	26.9	55.6	31.0	48.0	30.2	36.4
Sometimes	32.4	41.9	58.8	64.7	53.8	37.8	41.4	46.0	58.1	48.7
Often	17.6	16.1	19.6	2.9	15.4	6.7	20.7	4.0	7.0	11.7
Always	2.9	0.0	5.9	2.9	3.9	0.0	6.9	2.0	4.7	3.2
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

f. Dirty dispensing devices

	A	B	C	D	E	F	G	H	I	MEAN
Never	38.2	58.1	23.5	50.0	26.9	71.1	31.0	50.0	27.9	42.3
Sometimes	41.2	32.3	60.8	41.2	65.4	26.7	44.8	42.0	60.5	46.1
Often	20.6	9.7	9.8	5.9	3.9	2.2	17.2	6.0	11.6	9.3
Always	0.0	0.0	5.9	2.9	3.8	0.0	6.9	2.0	0.0	2.3
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

Do the cooks in your mess hall have a clean and neat appearance?

	A	B	C	D	E	F	G	H	I	MEAN
Never	11.8	0.0	3.9	8.8	11.5	4.6	6.9	6.0	4.8	6.2
Sometimes	52.9	25.8	37.2	38.2	46.2	20.4	51.7	26.0	47.6	37.2
Often	26.5	61.3	41.2	26.5	38.5	56.8	37.9	50.0	30.9	41.6
Always	8.8	12.9	17.7	26.5	3.8	18.2	3.5	18.0	16.7	15.0
NO. SUBJECTS RESPONDING	34	31	51	34	26	44	29	50	42	341

Do the KPs have a clean appearance in your mess hall?

	A	B	C	D	E	F	G	H	I	MEAN
Never	14.7	9.7	9.8	14.7	26.9	9.1	10.3	18.0	14.3	13.8
Sometimes	44.1	38.7	54.9	47.1	53.8	43.2	65.5	32.0	38.1	45.5
Often	29.4	38.7	27.5	26.5	15.4	29.6	20.7	34.0	35.7	29.3
Always	11.8	12.9	7.8	11.8	3.9	18.2	3.5	16.0	11.9	11.4
NO. SUBJECTS RESPONDING	34	31	51	34	26	44	29	50	42	341

Circle those items below which you think are a problem in your mess hall.⁴

	A	B	C	D	E	F	G	H	I	MEAN
Percentage of mess hall answering affirmatively:										
Flies	5.9	16.1	13.7	23.5	15.4	4.4	10.3	22.0	20.9	14.9
Cockroaches	5.9	6.5	21.6	5.9	23.1	4.4	10.3	4.0	9.3	9.9
Ants	2.9	3.2	9.8	5.9	3.8	0.0	0.0	6.0	7.0	4.7
Mice	2.9	3.2	3.9	0.0	0.0	2.2	6.9	2.0	4.6	2.9
Rats	0.0	3.2	0.0	0.0	0.0	0.0	0.0	2.0	2.3	0.9
Dogs	0.0	3.2	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.6
Cats	0.0	6.5	0.0	2.9	11.5	0.0	0.0	2.0	0.0	2.0

Where is your mess hall located?

	A	B	C	D	E	F	G	H	I	MEAN
Same building as barracks	47.1	100.0	39.2	78.1	42.3	46.7	82.8	80.0	95.4	67.2
Separate building adjacent to barracks	8.8	0.0	29.4	18.8	42.3	40.0	17.2	6.0	2.3	18.2
Separate building 1-2 blocks away	35.3	0.0	31.4	3.1	15.4	13.3	0.0	14.0	2.3	13.8
Separate building 3-4 blocks away	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
NO. SUBJECTS RESPONDING	34	31	51	32	26	45	29	50	43	341

⁴ NOTE: Percentages do not add up to 100% because subjects were free to choose as many or as few items as desired.

Where is your military job located:

	A	B	C	D	E	F	G	H	I	MEAN
Same building as barracks	11.8	12.9	7.8	29.4	19.2	28.9	37.9	4.0	20.9	18.1
Within the company area	2.9	0.0	3.9	14.7	3.9	4.4	10.3	2.0	2.3	4.7
Outside company area, 1—2 blocks	17.7	58.1	74.5	8.8	42.3	24.4	3.5	2.0	9.3	27.1
Greater than 3—4 blocks	67.6	29.0	5.9	8.8	19.2	20.0	37.9	90.0	67.4	39.9
Changes daily	0.0	0.0	7.9	38.2	15.4	22.2	10.4	2.0	0.0	10.2
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

How do you usually get to and from your military job?

	A	B	C	D	E	F	G	H	I	MEAN
Walk	50.0	64.5	94.1	50.0	50.0	62.2	48.3	6.1	23.3	49.7
Drive my car	23.5	25.8	2.0	17.7	26.9	20.0	17.2	30.6	41.9	22.5
Ride with a friend	8.8	3.2	2.0	2.9	7.7	6.7	17.2	22.5	32.6	12.0
Post bus service	8.8	0.0	0.0	0.0	0.0	0.0	3.5	4.1	2.3	2.0
Hitchhike	2.9	0.0	0.0	0.0	0.0	2.2	0.0	2.0	0.0	0.9
Other	5.9	6.5	1.9	29.4	15.4	8.9	13.8	34.7	0.0	12.9
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	49	43	342

Where would you prefer your mess hall?

	A	B	C	D	E	F	G	H	I	MEAN
In barracks	58.1	80.6	86.3	87.9	80.8	68.9	79.3	84.0	69.8	77.6
Adjacent to barracks	25.8	19.4	11.8	12.1	19.2	31.1	17.2	10.0	16.3	17.7
2-3 blocks	9.7	0.0	2.0	0.0	0.0	0.0	0.0	4.0	13.9	3.5
Greater than 3-4 blocks	6.4	0.0	0.0	0.0	0.0	0.0	3.5	2.0	0.0	1.2
NO. SUBJECTS RESPONDING	31	31	51	33	26	45	29	50	43	339

Are there any groups of people who eat in the mess hall at certain times which make it unpleasant for you to eat there?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	70.6	35.5	31.4	38.2	50.0	51.1	58.6	74.0	62.8	52.8
No	29.4	64.5	68.6	61.8	50.0	48.9	41.4	26.0	37.2	47.2
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

Do you avoid eating meals or skip meals when these people are eating in the mess hall?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	38.2	22.6	14.3	20.6	26.9	22.7	24.1	34.0	39.5	27.1
No	61.8	77.4	85.7	79.4	73.1	77.3	75.9	66.0	60.5	72.9
NO. SUBJECTS RESPONDING	34	31	49	34	26	44	29	50	43	340

How long do you usually have to wait in line to get a meal?

	A	B	C	D	E	F	G	H	I	MEAN
Never	5.9	6.5	6.0	5.9	0.0	0.0	3.5	2.0	7.0	4.1
1-5 minutes	20.6	16.1	0.0	35.3	3.9	0.0	10.3	4.1	20.9	11.4
5-10 minutes	32.3	16.1	2.0	35.3	19.2	26.7	31.0	22.5	13.9	21.1
10-15 minutes	26.5	38.7	24.0	20.6	42.3	46.7	51.7	46.9	34.9	36.7
Longer	14.7	22.6	68.0	2.9	34.6	26.7	3.5	24.5	23.3	26.7
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	49	43	341

Do you think the wait is too long?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	61.8	71.0	96.0	45.5	96.2	79.5	65.5	87.8	62.8	75.2
No	38.2	29.0	4.0	54.5	3.9	20.5	34.5	12.2	37.2	24.8
NO. SUBJECTS RESPONDING	34	31	50	33	26	44	29	49	43	339

How often do you eat somewhere other than your mess hall because the wait in line at your mess hall is too long?

	A	B	C	D	E	F	G	H	I	MEAN
Never	18.2	38.7	22.0	52.9	15.4	11.1	24.1	14.3	25.6	23.8
Sometimes	45.4	38.7	58.0	29.4	42.3	62.2	55.2	63.3	51.2	51.2
Often	30.3	22.6	18.0	17.7	38.5	26.7	20.7	18.4	20.9	22.9
Always	6.1	0.0	2.0	0.0	3.8	0.0	0.0	4.1	2.3	2.1
NO. SUBJECTS RESPONDING	33	31	50	34	26	45	29	49	43	340

Once you arrive at the mess hall, how much time are you given to eat?

a. Breakfast

	A	B	C	D	E	F	G	H	I	MEAN
Less than 10 minutes	11.1	0.0	5.9	3.3	7.7	2.4	6.9	4.2	4.8	4.9
10–20 minutes	25.9	36.7	56.9	36.7	65.4	54.8	37.9	43.7	38.1	44.9
More than 20 minutes	62.9	63.3	37.2	60.0	26.9	42.9	55.2	52.1	57.1	50.2
NO. SUBJECTS RESPONDING	27	30	51	30	26	42	29	48	42	325

b. Midday Meal

	A	B	C	D	E	F	G	H	I	MEAN
Less than 10 minutes	2.9	0.0	7.8	0.0	7.7	4.6	0.0	2.0	0.0	2.9
10–20 minutes	23.5	29.0	52.9	27.3	46.2	47.7	34.5	32.7	37.2	37.7
More than 20 minutes	73.5	71.0	39.2	72.7	46.2	47.7	65.5	65.3	62.8	59.4
NO. SUBJECTS RESPONDING	34	31	51	33	26	44	29	49	43	340

c. Evening Meal

	A	B	C	D	E	F	G	H	I	MEAN
Less than 10 minutes	2.9	0.0	2.0	0.0	7.7	2.3	0.0	0.0	2.4	1.8
10–20 minutes	23.5	30.0	34.0	9.7	23.1	16.3	20.7	26.5	26.2	23.9
More than 20 minutes	73.5	70.0	64.0	90.3	69.2	81.4	79.3	73.5	71.4	74.3
NO. SUBJECTS RESPONDING	34	30	50	31	26	43	29	49	42	334

Are you given enough time to eat breakfast?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	83.9	96.7	72.0	62.5	73.1	76.7	75.9	76.0	88.1	78.1
No	16.1	3.3	28.0	37.5	26.9	23.3	24.1	24.0	11.9	21.9
NO. SUBJECTS RESPONDING	31	30	50	32	26	43	29	50	42	333

Are you given enough time to eat the midday meal?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	93.9	93.6	43.1	85.3	73.1	73.3	86.2	86.0	76.7	77.2
No	6.1	6.4	56.8	14.7	26.9	26.7	13.8	14.0	23.3	22.8
NO. SUBJECTS RESPONDING	33	31	51	34	26	45	29	50	43	342

Are you given enough time to eat the evening meal?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	84.8	100.0	92.0	100.0	96.2	93.0	93.1	94.0	92.9	93.8
No	15.2	0.0	8.0	0.0	3.8	7.0	6.9	6.0	7.1	6.2
NO. SUBJECTS RESPONDING	33	31	50	33	26	43	29	50	42	337

Do you have any activity which regularly influences whether or not you eat a certain meal?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	46.9	32.3	29.4	42.4	46.2	20.4	27.6	34.0	40.5	34.6
No	53.1	67.7	70.6	57.6	53.8	79.6	72.4	66.0	59.5	65.4
NO. SUBJECTS RESPONDING	32	31	51	33	26	44	29	50	42	338

What are these activities?⁵

	A	B	C	D	E	F	G	H	I	MEAN
Part-time job	6.3	6.5	5.9	6.1	3.8	4.5	0.0	8.0	7.1	5.6
Recreational Activity	12.5	12.9	9.8	3.0	11.5	6.8	10.3	12.0	14.3	10.4
Going to School	6.3	3.2	5.9	3.0	11.5	2.3	3.4	6.0	0.0	4.4
Other	31.3	16.1	15.7	36.4	15.4	31.8	13.8	18.0	23.8	22.5
NO. SUBJECTS RESPONDING	32	31	51	33	26	44	29	50	42	338

⁵Total percentages do not necessarily agree with the above "Yes" percentages, since some subjects had more than one activity which regularly influenced their eating behavior.

What things do you *particularly like* about your mess hall? Indicate as many items as you want.⁶

	A	B	C	D	E	F	G	H	I	MEAN
	Percentage of mess hall answering affirmatively:									
a. Nothing	29.4	12.9	13.7	23.5	50.0	24.4	17.2	24.0	37.2	25.1
b. Convenient location	38.2	67.7	39.2	52.9	42.3	53.3	65.5	66.0	44.2	51.9
c. Convenient times to eat	14.7	25.8	5.9	23.5	23.1	20.0	20.7	24.0	20.9	19.2
d. Free food	55.9	61.3	49.0	50.0	42.3	46.7	62.1	48.0	48.8	51.0
e. Plenty to eat and drink	14.7	9.7	5.9	17.6	7.7	6.7	13.8	6.0	4.6	9.0
f. The food is good	11.8	6.5	7.8	5.9	7.7	2.2	6.9	4.0	2.3	5.8
g. The mess hall personnel are easy to get along with	29.4	51.6	11.8	38.2	19.2	15.6	31.0	38.0	27.9	28.3
h. The meals are well-balanced	17.6	6.5	7.8	11.8	11.5	8.9	17.2	8.0	9.3	10.5
i. The mess hall has a pleasant appearance	23.5	38.7	31.4	17.6	7.7	26.7	10.3	18.0	20.9	22.4
j. The mess hall is clean	35.3	45.2	29.4	50.0	19.2	51.1	41.4	48.0	34.9	39.9

⁶Note: Percentages do not add up to 100% because subjects were permitted to choose as many or as few items as desired.

What things do you *particularly dislike* about the mess hall? Indicate as many items as you want.⁷

	A	B	C	D	E	F	G	H	I	MEAN
	Percentage of mess hall answering affirmatively:									
a. Nothing	0.0	3.2	0.0	2.9	7.7	2.2	3.4	4.0	2.3	2.6
b. Not enough food served	52.9	64.5	58.8	44.1	73.1	62.2	79.3	64.0	65.1	62.1
c. Second helpings are not permitted	35.3	48.4	70.6	50.0	76.9	75.6	75.9	62.0	69.8	63.3
d. Food is wasted	61.8	48.4	49.0	47.1	61.5	51.1	58.6	34.0	46.5	49.6
e. Discipline of men in mess hall is poor	44.1	3.2	13.7	8.8	38.5	26.7	34.5	28.0	11.6	22.4
f. Serving on KP	55.9	45.2	35.3	23.5	46.2	51.1	13.8	50.0	30.2	39.6
g. Signing for meals	41.2	58.1	39.2	32.4	65.4	44.4	37.9	40.0	53.5	44.9
h. Signing more than one sign-up sheet at a time	11.8	0.0	23.5	29.4	19.2	8.9	17.2	6.0	18.6	14.9
i. Waiting in line to be served	64.7	77.4	80.4	55.9	92.3	75.6	75.9	64.0	72.1	72.6
j. Waiting outside to be served	35.3	16.1	80.4	50.0	53.8	64.4	27.6	54.0	34.9	49.0
k. The food is not very good	61.8	64.5	54.9	64.7	84.6	53.3	79.3	64.0	55.8	63.0

l.	The military atmosphere	44.1	54.8	58.8	61.8	50.0	62.2	44.8	62.0	69.8	57.7
m.	The mess hall is dirty	8.8	3.2	9.8	2.9	7.7	6.7	20.7	2.0	9.3	7.6
n.	The mess hall is old and dingy — not modern	32.4	25.8	9.8	8.8	23.1	8.9	24.1	12.0	32.6	18.7
o.	There are not enough condiments on the tables	47.1	54.8	60.8	44.1	65.4	51.1	51.7	50.0	51.2	52.8
p.	Missing or inappropriate silverware	76.5	41.9	49.0	76.5	69.2	55.6	75.9	60.0	48.8	60.1
q.	Dirty trays, plates and silverware	38.2	12.9	62.8	44.1	57.7	22.2	37.9	20.0	27.9	35.6
r.	Plastic cups instead of china	20.6	9.7	15.7	5.9	15.4	4.4	13.8	6.0	9.3	10.8
s.	Eating hours are inconvenient	20.6	6.5	29.4	11.8	34.6	20.0	13.8	16.0	20.9	19.5
t.	Not enough time to eat your meal	8.8	3.2	33.3	14.7	34.6	17.8	17.2	20.0	11.6	18.4
u.	Too many people in the mess hall for its size	52.9	29.0	84.3	8.8	65.4	44.4	51.7	56.0	34.9	49.0
v.	The dress and behavior regulations are too strict	14.7	6.5	19.6	14.7	30.8	22.2	27.6	20.0	30.2	20.7

w.	Showing your meal card before you can be served	52.9	45.2	56.8	32.4	69.2	53.3	48.3	54.0	60.5	52.8
x.	Separation of Officers and NCOs from the EMs	20.6	19.4	23.5	26.5	30.8	0.0	24.1	16.0	20.9	19.2
y.	Officers and NCOs eating in the same mess	8.8	0.0	5.9	5.9	23.1	11.2	0.0	10.0	4.6	7.6
z.	Doing PT before and after meals	0.0	3.2	2.0	0.0	7.7	4.4	0.0	10.0	9.3	4.4
aa.	Being harrassed by NCOs and mess personnel	11.8	3.2	31.4	20.6	34.6	35.6	13.8	24.0	18.6	22.4
bb.	The mess hall is too noisy	38.2	16.1	17.6	11.8	15.4	17.8	48.3	42.0	18.6	25.1
cc.	The mess hall is either too warm or too cold	17.6	0.0	11.8	14.7	15.4	8.9	17.2	10.0	11.6	11.7

⁷Note: Percentages do not total 100% because subjects were permitted to choose as many or as few items as desired.

Do you eat more, the same number, or fewer meals in the mess hall at the end of the month as compared to the beginning of the month?

	A	B	C	D	E	F	G	H	I	MEAN
More	28.1	19.4	36.2	29.4	26.9	46.5	34.5	24.5	39.5	32.3
The same number	56.3	77.4	51.1	55.9	53.9	41.9	62.1	63.3	44.2	55.4
Fewer	15.6	3.2	12.8	14.7	19.2	11.6	3.4	12.2	16.3	12.3
NO. SUBJECTS RESPONDING	32	31	47	34	26	43	29	49	43	334

What size mess hall do you prefer?

	A	B	C	D	E	F	G	H	I	MEAN
Company size (similar to present one)	44.1	61.3	70.0	73.5	69.2	53.3	58.6	62.0	62.8	61.7
Larger central mess hall	14.7	12.9	16.0	5.9	3.9	17.8	17.2	14.0	11.6	13.2
It doesn't matter	41.2	25.8	14.0	20.6	26.9	28.9	24.1	24.0	25.6	25.1
NO. SUBJECTS RESPONDING	34	31	50	34	26	45	29	50	43	342

Have you ever eaten in a larger central mess hall?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	55.9	77.4	78.4	91.2	72.0	80.0	79.3	78.0	67.4	75.7
No	44.1	22.6	21.6	8.8	28.0	20.0	20.7	22.0	32.6	24.3
NO. SUBJECTS RESPONDING	34	31	51	34	25	45	29	50	43	342

Are you required to sign for your meals?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	97.1	100.0	98.0	97.1	100.0	100.0	93.1	98.0	95.4	97.7
No	2.9	0.0	0.0	2.9	0.0	0.0	0.0	2.0	0.0	0.9
Sometimes	0.0	0.0	2.0	0.0	0.0	0.0	6.9	0.0	4.6	1.5
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

If you are required to sign for meals, when do you do it?

	A	B	C	D	E	F	G	H	I	MEAN
Before each meal	100.0	100.0	100.0	100.0	100.0	97.8	93.1	98.0	90.7	97.7
All meals of the day at one time	0.0	0.0	0.0	0.0	0.0	2.2	3.4	0.0	2.3	0.9
It varies from day to day	0.0	0.0	0.0	0.0	0.0	0.0	3.4	2.0	7.0	1.5
NO. SUBJECTS RESPONDING	33	31	51	34	26	45	29	50	43	342

Do the people you work with eat in your mess hall?

a. Breakfast

	A	B	C	D	E	F	G	H	I	MEAN
All of them	2.9	0.0	12.5	3.1	0.0	13.6	13.8	18.0	2.4	8.5
Most of them	26.5	40.7	64.6	40.6	29.2	38.6	37.9	54.0	39.0	43.2
Some of them	52.9	55.6	22.9	46.9	66.7	38.6	41.4	26.0	51.2	41.9
None of them	17.7	3.7	0.0	9.4	4.2	9.1	6.9	2.0	7.3	6.4
NO. SUBJECTS RESPONDING	34	27	48	32	24	44	29	50	41	329

b. Midday Meal

	A	B	C	D	E	F	G	H	I	MEAN
All of them	11.8	3.3	18.0	8.8	4.0	13.3	10.3	16.0	2.4	10.6
Most of them	29.4	60.0	64.0	50.0	40.0	53.3	44.8	60.0	52.4	51.9
Some of them	41.2	33.3	18.0	38.2	48.0	28.9	41.4	22.0	38.1	32.5
None of them	17.6	3.3	0.0	2.9	8.0	4.4	3.5	2.0	7.1	5.0
NO. SUBJECTS RESPONDING	34	30	50	34	25	45	29	50	42	339

c. Evening Meal

	A	B	C	D	E	F	G	H	I	MEAN
All of them	8.8	3.4	12.2	3.0	0.0	13.9	13.8	16.0	4.9	9.3
Most of them	26.5	58.6	53.1	30.3	40.0	34.9	34.5	58.0	31.7	41.7
Some of them	44.1	34.5	32.7	57.6	56.0	41.9	44.8	24.0	51.2	41.4
None of them	20.6	3.5	2.0	9.1	4.0	9.3	6.9	2.0	12.2	7.5
NO. SUBJECTS RESPONDING	34	29	49	33	25	43	29	50	41	333

If your fellow workers do not eat in your mess hall, where do they eat?

	A	B	C	D	E	F	G	H	I	MEAN
	Percentage of mess hall answering affirmatively: ⁸									
Other mess halls	32.4	3.2	5.9	8.8	19.2	2.2	6.9	6.0	16.3	10.5
PX snack bar, Post cafeteria	58.8	58.1	52.9	44.1	69.2	68.9	79.3	60.0	55.8	60.1
Snack lunch	50.0	32.3	21.6	17.7	30.8	24.4	31.0	16.0	27.9	26.8
Live off post and eat at home	61.8	74.2	60.8	79.4	76.9	77.8	62.1	74.0	74.4	71.1
Off post restaurants	26.5	22.6	27.4	29.4	38.5	24.4	24.1	18.0	20.9	25.1

⁸Note: Percentages do not total 100% because subjects were permitted to choose as many or as few items as desired.

Is your mess hall ever:

a. Too cold

	A	B	C	D	E	F	G	H	I	MEAN
Never	54.8	71.4	45.7	42.4	52.0	56.8	39.3	56.8	52.4	52.3
Sometimes	41.9	28.6	47.8	54.6	40.0	20.9	57.1	43.2	42.9	44.2
Often	3.2	0.0	6.5	3.0	4.0	2.3	3.6	0.0	4.8	3.1
Always	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.3
NO. SUBJECTS RESPONDING	31	28	46	33	25	44	28	44	42	321

b. Too warm

	A	B	C	D	E	F	G	H	I	MEAN
Never	43.3	57.1	43.5	50.0	44.0	63.6	60.7	59.1	61.9	54.2
Sometimes	46.7	42.9	47.8	47.1	36.0	36.4	39.3	40.9	33.3	41.2
Often	10.0	0.0	8.7	2.9	16.0	0.0	0.0	0.0	4.8	4.4
Always	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.3
NO. SUBJECTS RESPONDING	30	28	46	34	25	44	28	44	42	321

c. Stuffy

	A	B	C	D	E	F	G	H	I	MEAN
Never	41.9	55.2	35.6	50.0	28.0	64.4	60.7	46.7	41.5	47.4
Sometimes	51.6	41.4	44.4	44.1	56.0	33.3	32.1	37.8	46.3	42.4
Often	6.5	3.4	15.6	2.9	12.0	2.2	7.1	15.6	4.9	8.0
Always	0.0	0.0	4.4	2.9	4.0	0.0	0.0	0.0	7.3	2.2
NO. SUBJECTS RESPONDING	31	29	45	34	25	45	28	45	41	323

d. Smoky

	A	B	C	D	E	F	G	H	I	MEAN
Never	39.4	65.5	53.3	73.5	56.0	77.8	71.4	56.8	34.2	58.3
Sometimes	45.5	20.7	40.0	20.6	40.0	17.8	25.0	31.8	56.1	33.3
Often	12.1	13.8	4.4	2.9	4.0	4.4	0.0	6.8	7.3	6.2
Always	3.0	0.0	2.2	2.9	0.0	0.0	3.6	4.6	2.4	2.2
NO. SUBJECTS RESPONDING	33	29	45	34	25	45	28	44	41	324

e. Full of Steam

	A	B	C	D	E	F	G	H	I	MEAN
Never	63.3	75.0	64.4	78.8	80.0	90.9	64.3	79.6	73.2	74.8
Sometimes	33.3	25.0	31.1	15.1	16.0	9.1	28.6	20.4	21.9	22.0
Often	3.3	0.0	2.2	6.1	4.0	0.0	7.1	0.0	4.9	2.8
Always	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NO. SUBJECTS RESPONDING	30	28	45	33	25	44	28	44	41	318

f. Full of unpleasant food odors

	A	B	C	D	E	F	G	H	I	MEAN
Never	45.2	57.1	42.2	50.0	57.7	65.9	50.0	43.2	41.9	49.9
Sometimes	35.5	39.3	42.2	47.1	38.5	29.5	35.7	40.9	41.9	39.0
Often	16.1	3.6	11.1	0.0	3.8	2.3	7.1	13.6	11.6	8.0
Always	3.2	0.0	4.4	2.9	0.0	2.3	7.1	2.3	4.6	3.1
NO. SUBJECTS RESPONDING	31	28	45	34	26	44	28	44	43	323

g. Full of stale odors

	A	B	C	D	E	F	G	H	I	MEAN
Never	53.1	60.7	52.2	63.6	60.0	79.1	57.1	53.3	53.7	59.2
Sometimes	34.4	39.3	32.6	27.3	40.0	16.3	39.3	35.6	34.1	32.4
Often	9.4	0.0	10.9	6.1	0.0	2.3	0.0	11.1	7.3	5.9
Always	3.1	0.0	4.3	3.0	0.0	2.3	3.6	0.0	4.9	2.5
NO. SUBJECTS RESPONDING	32	28	46	33	25	43	28	45	41	321

h. Full of greasy smells

	A	B	C	D	E	F	G	H	I	MEAN
Never	46.9	50.0	35.4	35.3	23.1	75.0	44.8	51.1	36.6	45.3
Sometimes	21.9	30.0	45.8	41.2	46.2	20.4	41.4	38.3	43.9	36.6
Often	21.9	13.3	10.4	17.6	26.9	2.3	10.3	10.6	9.8	12.7
Always	9.4	6.7	8.3	5.9	3.8	2.3	3.5	0.0	9.8	5.4
NO. SUBJECTS RESPONDING	32	30	48	34	26	44	29	47	41	331

What size tables would you like to see in your mess hall?

	A	B	C	D	E	F	G	H	I	MEAN
One man per table	0.0	0.0	0.0	5.9	7.7	0.0	0.0	0.0	2.3	1.3
Two men per table	11.8	3.3	3.9	11.8	7.7	2.2	10.3	0.0	9.3	6.1
Three men per table	5.9	13.3	5.9	5.9	0.0	0.0	3.5	2.0	4.7	4.4
Four men per table	58.8	66.7	66.7	70.6	57.7	73.3	75.9	80.0	81.4	71.0
Five men per table	5.9	0.0	2.0	2.9	7.7	11.1	0.0	8.0	0.0	4.4
Six men per table	8.8	16.7	15.7	2.9	15.4	6.7	6.9	6.0	0.0	8.5
Seven or more men per table	8.8	0.0	5.9	0.0	3.8	6.7	3.4	4.0	2.3	4.1
MEAN	4.2	4.1	4.4	3.6	4.1	4.4	4.0	4.3	3.8	4.1
STANDARD DEVIATION	1.3	1.0	1.1	1.0	1.5	1.0	1.0	0.8	0.9	1.1
MEDIAN	4.1	4.0	4.1	3.9	4.1	4.2	4.0	4.1	3.9	4.0
NO. SUBJECTS RESPONDING	34	30	51	34	26	45	29	50	43	342

Is your mess hall ever too crowded with people?

	A	B	C	D	E	F	G	H	I	MEAN
Never	2.9	6.5	3.9	41.2	3.8	6.7	20.7	4.1	11.6	10.5
Sometimes	47.1	64.5	27.5	44.1	53.9	55.6	44.8	44.9	55.8	47.7
Often	41.2	25.8	33.3	11.8	23.1	24.4	27.6	32.6	20.9	27.2
Always	8.8	3.2	35.3	2.9	19.2	13.3	6.9	18.4	11.6	14.6
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	49	43	342

What type of changes in appearance would you like or not like in your mess hall?

a. Military pictures and posters

	A	B	C	D	E	F	G	H	I	MEAN
Like	0.0	3.6	6.0	0.0	7.7	4.4	10.3	0.0	9.3	4.5
Not like	75.8	85.7	68.0	79.4	76.9	77.8	58.6	84.8	67.4	74.8
Doesn't matter	24.2	10.7	26.0	20.6	15.4	17.8	31.0	15.2	23.3	20.7
NO. SUBJECTS RESPONDING	33	28	50	34	26	45	29	46	43	334

b. Flags

	A	B	C	D	E	F	G	H	I	MEAN
Like	12.1	3.4	4.1	11.8	11.5	9.1	17.2	10.9	4.6	9.0
Not like	48.5	62.1	63.3	55.9	50.0	59.1	41.4	50.0	62.8	55.6
Doesn't matter	39.4	34.5	32.6	32.3	38.5	31.8	41.4	39.1	32.6	35.4
NO. SUBJECTS RESPONDING	33	29	49	34	26	44	29	46	43	333

c. Trophies

	A	B	C	D	E	F	G	H	I	MEAN
Like	9.1	6.9	20.0	23.5	15.4	28.9	24.1	15.2	13.9	17.9
Not like	39.4	58.6	46.0	50.0	42.3	42.2	31.0	39.1	44.2	43.6
Doesn't matter	51.5	34.5	34.0	26.5	42.3	28.9	44.8	45.7	41.9	38.5
NO. SUBJECTS RESPONDING	33	29	50	34	26	45	29	46	43	335

d. Brighter Colors

	A	B	C	D	E	F	G	H	I	MEAN
Like	78.8	76.7	66.0	58.8	53.8	71.1	62.1	63.8	65.1	66.5
Not like	6.1	10.0	4.0	8.8	7.7	11.1	13.8	12.8	4.7	8.6
Doesn't matter	15.1	13.3	30.0	32.4	38.5	17.8	24.1	23.4	30.2	24.9
NO. SUBJECTS RESPONDING	33	30	50	34	26	45	29	47	43	337

e. More decorative wall patterns

	A	B	C	D	E	F	G	H	I	MEAN
Like	78.8	79.3	78.0	67.6	53.8	73.3	62.1	63.8	69.8	70.2
Not like	6.1	0.0	2.0	5.9	3.9	4.4	6.9	6.4	4.6	4.5
Doesn't matter	15.1	20.7	20.0	26.5	42.3	22.2	31.0	29.8	25.6	25.3
NO. SUBJECTS RESPONDING	33	29	50	34	26	45	29	47	43	336

f. Curtains

	A	B	C	D	E	F	G	H	I	MEAN
Like	78.8	86.7	74.0	79.4	73.1	70.5	69.0	73.9	74.4	75.2
Not like	3.0	0.0	6.0	0.0	7.7	6.8	0.0	2.2	0.0	3.0
Doesn't matter	18.2	13.3	20.6	20.6	19.2	22.7	31.0	23.9	25.6	21.8
NO. SUBJECTS RESPONDING	33	30	50	34	26	44	29	46	43	335

g. Tablecloths

	A	B	C	D	E	F	G	H	I	MEAN
Like	81.8	90.0	78.0	58.8	80.0	63.6	79.3	69.6	65.1	73.0
Not like	6.1	0.0	4.0	5.9	4.0	6.8	0.0	4.3	4.7	4.2
Doesn't matter	12.1	10.0	18.0	35.3	16.0	29.6	20.7	26.1	30.2	22.8
NO. SUBJECTS RESPONDING	33	30	50	34	25	44	29	46	43	334

h. Music with meals

	A	B	C	D	E	F	G	H	I	MEAN
Like	90.9	96.7	84.0	79.4	96.2	84.1	82.8	81.2	81.4	85.5
Not like	0.0	0.0	2.0	2.9	3.8	2.3	6.9	4.2	0.0	2.4
Doesn't matter	9.1	3.3	14.0	17.7	0.0	13.6	10.3	14.6	18.6	12.2
NO. SUBJECTS RESPONDING	33	30	50	34	26	44	29	48	43	337

i. Counters and booths

	A	B	C	D	E	F	G	H	I	MEAN
Like	53.1	46.7	54.0	35.3	42.3	42.2	51.7	45.7	23.3	43.6
Not like	9.4	6.7	14.0	17.6	7.7	11.1	3.5	13.0	18.6	11.9
Doesn't matter	37.5	46.7	32.0	47.1	50.0	46.7	44.8	41.3	58.1	44.5
NO. SUBJECTS RESPONDING	32	30	50	34	26	45	29	46	43	335

Would you rather use china plates instead of compartmentalized metal or plastic trays?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	58.8	48.4	37.2	32.3	34.6	37.8	51.7	64.0	41.9	45.5
No	26.5	22.6	21.6	20.6	19.2	28.9	6.9	16.0	7.0	18.9
Doesn't matter	14.7	29.0	41.2	47.1	46.2	33.3	41.4	20.0	51.2	35.6
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

Is the noise level in your mess hall so loud that it is unpleasant for you?

	A	B	C	D	E	F	G	H	I	MEAN
Never	23.5	32.3	13.7	38.2	26.9	22.2	17.2	10.0	25.6	22.2
Sometimes	41.2	58.1	64.7	50.0	50.0	66.7	62.1	52.0	65.1	57.4
Often	26.5	9.7	17.7	8.8	19.2	6.7	10.3	26.0	4.7	14.6
Always	8.8	0.0	3.9	2.9	3.9	4.4	10.3	12.0	4.6	5.8
NO. SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	43	343

What type of music would you prefer in the mess hall?

	A	B	C	D	E	F	G	H	I	MEAN
None	3.0	0.0	6.0	0.0	3.8	2.2	0.0	8.2	0.0	2.9
Hard Rock	12.1	9.7	12.0	11.8	15.4	24.4	24.1	16.3	11.6	15.3
Soul	6.1	6.4	8.0	17.6	11.5	2.2	17.2	6.1	9.3	8.8
Popular	18.2	19.4	8.0	11.8	11.5	11.1	3.4	22.4	14.0	13.5
Rock and Roll	3.0	12.9	8.0	5.9	0.0	4.4	6.9	4.1	9.3	6.2
Jazz	0.0	0.0	4.0	0.0	0.0	2.2	3.5	4.1	7.0	2.6
Instrumental	6.1	6.5	4.0	8.8	0.0	4.4	0.0	4.1	4.6	4.4
Classical	6.1	3.2	6.0	11.8	0.0	4.4	3.4	0.0	0.0	3.8
Country Western	0.0	0.0	2.0	0.0	15.4	8.9	3.5	6.1	9.3	5.0
Variety of the above	39.4	41.9	40.0	32.3	42.3	33.3	34.5	24.5	30.2	34.7
Other	6.0	0.0	2.0	0.0	0.0	2.2	3.4	4.1	4.6	2.8
NO. SUBJECTS RESPONDING	33	31	50	34	26	45	29	49	43	340

Circle any rules for behavior in the mess hall, listed below, which you believe are unnecessary.⁹

	A	B	C	D	E	F	G	H	I	MEAN
Percentage of mess answering affirmatively:										
Separation of NCOs and officers from EMs	35.3	54.8	35.3	70.6	34.6	26.7	48.3	34.0	41.9	41.1
Time limits for eating	20.6	19.4	29.4	29.4	30.8	26.7	27.6	36.0	25.6	27.7
Officers and NCOs cutting in line	41.2	51.6	60.8	55.9	76.9	42.2	37.9	50.0	51.2	51.6
Dress regulations	17.7	32.3	23.5	38.2	57.7	26.7	37.9	38.0	39.5	33.5
No smoking	11.8	19.3	5.9	20.6	15.4	11.1	6.9	26.0	25.6	16.0
Calling "at ease" when Officers enter	35.3	48.4	51.0	58.8	65.4	66.7	69.0	52.0	74.4	57.7
Signing for meals	50.0	61.3	54.9	32.4	69.2	55.6	31.0	56.0	58.1	52.5

Circle any rules for behavior listed below which you would like to see instituted or enforced in your mess hall.⁹

	A	B	C	D	E	F	G	H	I	MEAN
Percentage of Mess Hall answering affirmatively:										
Stricter dress regulations	2.9	6.5	3.9	5.9	7.7	2.2	6.9	10.0	9.3	6.1
No smoking for cooks and KPs	23.5	9.7	17.7	5.9	19.2	8.9	10.3	10.0	14.0	13.1
No shouting or yelling	70.6	35.5	47.1	44.1	50.0	42.2	44.8	54.0	48.8	48.7
Stricter behavior regulations	58.8	29.0	27.4	32.4	61.5	26.7	51.7	46.0	39.5	39.9

⁹Note: Percentages do not total 100% because subjects were permitted to choose as many or as few items as desired.

Which of the types of foreign or specialty foods do you like best?

a. First Choice

	A	B	C	D	E	F	G	H	I	MEAN
Italian	21.2	41.9	41.2	38.2	19.2	22.2	44.8	36.7	16.3	31.4
Sea Food	24.2	12.9	19.6	17.7	46.2	33.3	13.8	12.2	20.9	21.7
Soul	15.2	3.2	5.9	11.8	11.5	4.4	13.8	10.2	18.6	10.3
Chinese	3.0	6.5	3.9	2.9	3.8	0.0	3.4	6.1	11.6	4.6
Mex-Spanish	9.1	19.4	17.6	5.9	7.7	15.6	13.8	10.2	11.6	12.6
German	0.0	3.2	0.0	2.9	7.7	0.0	0.0	8.2	2.3	2.6
French	6.1	3.2	0.0	0.0	0.0	6.7	0.0	2.0	2.3	2.4
Jewish	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynesion	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Japanese	0.0	0.0	0.0	5.9	3.8	0.0	0.0	0.0	2.3	1.2
Indian	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mideast, Greek	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.6
No Preference	15.2	9.7	11.8	14.7	0.0	15.6	10.3	14.3	7.0	11.4
Don't like any	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.3
Other Specialty food	3.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	2.3	0.9
NO. SUBJECTS RESPONDING	33	31	51	34	26	45	29	49	43	341

b. Second Choice

	A	B	C	D	E	F	G	H	I	MEAN
Italian	14.8	14.8	7.0	0.0	24.0	5.4	13.6	2.4	17.1	10.1
Sea Food	18.5	14.8	27.9	17.2	20.0	24.3	22.7	26.2	20.0	22.0
Soul	3.7	0.0	4.6	10.3	8.0	2.7	9.1	2.4	0.0	4.2
Chinese	18.5	3.7	14.0	10.3	16.0	18.9	18.2	11.9	11.4	13.6
Mex-Spanish	33.3	29.6	20.9	41.4	12.0	13.5	18.2	23.8	20.0	23.3
German	7.4	7.4	7.0	13.8	8.0	13.5	13.6	7.1	0.0	8.4
French	0.0	7.4	7.0	3.4	4.0	2.7	4.6	9.5	5.7	5.2
Jewish	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Polynesian	0.0	3.7	4.6	0.0	0.0	2.7	0.0	2.4	5.7	2.4
Japanese	0.0	7.4	2.3	3.4	0.0	8.1	0.0	0.0	2.9	2.8
Indian	3.7	0.0	0.0	0.0	0.0	2.7	0.0	4.8	5.7	2.1
Mideast, Greek	0.0	3.7	0.0	0.0	8.0	2.7	0.0	0.0	2.9	1.7
No preference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.7	1.0
Don't like any	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.9	0.7
Other Specialty food	0.0	0.0	4.6	0.0	0.0	2.7	0.0	4.8	0.0	1.7
NO. SUBJECTS RESPONDING	27	27	43	29	25	37	22	42	35	287

c. Third Choice

	A	B	C	D	E	F	G	H	I	MEAN
Italian	25.9	7.4	7.0	20.7	21.7	14.3	10.0	11.1	5.9	13.1
Sea Food	11.1	11.1	7.0	13.8	0.0	5.7	10.0	19.4	11.8	10.2
Soul	0.0	0.0	2.3	0.0	4.4	0.0	0.0	0.0	0.0	0.7
Chinese	14.8	11.1	14.0	6.9	0.0	8.6	5.0	2.8	5.9	5.0
Mex-Spanish	22.2	14.8	14.0	13.8	26.1	14.3	30.0	11.1	5.9	15.7
German	7.4	11.1	16.3	10.3	4.4	8.6	5.0	8.3	11.8	9.8
French	0.0	18.5	18.6	10.3	8.7	8.6	15.0	13.9	5.9	11.3
Jewish	0.0	0.0	4.6	3.4	4.4	0.0	5.0	0.0	0.0	1.8
Polynesian	0.0	3.7	9.3	0.0	0.0	8.6	0.0	8.3	2.9	4.4
Japanese	7.4	11.1	4.6	6.9	4.4	14.3	10.0	8.3	29.4	11.0
Indian	3.7	3.7	2.3	0.0	4.4	2.9	0.0	5.6	2.9	2.9
Mideast, Greek	3.7	0.0	0.0	10.3	0.0	5.7	0.0	5.6	5.9	3.6
No Preference	0.0	0.0	0.0	0.0	13.0	2.9	0.0	2.8	5.9	2.6
Doesn't like any	0.0	3.7	0.0	0.0	4.4	0.0	0.0	0.0	2.9	1.1
Other Specialty food	3.7	3.7	0.0	3.4	4.4	5.7	10.0	2.8	2.9	3.6
NO. SUBJECTS RESPONDING	27	27	43	29	23	35	20	36	34	274

What is your opinion of the following types of foods? Think of the foods in a general way. Do not rate them according to the food you have been served in the Army.

a. Canned Foods

	A	B	C	D	E	F	G	H	I	MEAN
1— Unacceptable (I won't eat them)	3.2	0.0	0.0	2.9	0.0	4.4	10.3	4.2	0.0	2.7
2	12.9	9.7	11.8	5.9	16.0	8.9	10.3	4.2	9.3	9.5
3	12.9	9.7	13.7	14.7	8.0	15.6	31.0	20.8	7.0	14.8
4— Average	45.2	58.1	52.9	50.0	52.0	55.6	34.5	52.1	58.1	51.6
5	12.9	12.9	7.8	14.7	16.0	11.1	10.3	12.5	14.0	12.2
6	6.5	3.2	9.8	11.8	8.0	2.2	3.5	0.0	4.6	5.3
7— Excellent (I like them very much)	6.5	6.4	3.9	0.0	0.0	2.2	0.0	6.2	7.0	3.9
MEAN	4.0	4.1	4.0	4.0	3.9	3.8	3.3	3.9	4.2	3.9
STANDARD DEVIATION	1.4	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.2
MEDIAN	4.0	4.0	4.0	4.0	4.0	3.9	3.4	3.9	4.1	3.9
NO. SUBJECTS RESPONDING	31	31	51	34	25	45	29	48	43	337

b. Dehydrated Foods

	A	B	C	D	E	F	G	H	I	MEAN
1— Unacceptable (I won't eat them)	16.7	20.0	18.4	22.6	29.2	23.3	37.9	28.3	22.0	23.8
2	30.0	33.3	26.5	25.8	37.5	25.6	13.8	30.4	31.7	28.2
3	26.7	33.3	28.6	32.3	25.0	23.3	20.7	19.6	9.8	23.8
4— Average	20.0	10.0	18.4	9.7	4.2	23.3	27.6	19.6	31.7	19.2
5	3.3	3.3	6.1	9.7	4.2	0.0	0.0	2.2	2.4	3.4
6	3.3	0.0	2.0	0.0	0.0	2.3	0.0	0.0	2.4	1.2
7— Excellent (I like them very much)	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.3
MEAN	2.7	2.4	2.7	2.6	2.2	2.7	2.4	2.4	2.7	2.6
STANDARD DEVIATION	1.3	1.0	1.3	1.2	1.0	1.4	1.3	1.2	1.3	1.2
MEDIAN	2.6	2.4	2.7	2.6	2.1	2.6	2.4	2.2	2.4	2.4
NO SUBJECTS RESPONDING	30	30	49	31	24	43	29	46	41	323

c. Frozen Foods

	A	B	C	D	E	F	G	H	I	MEAN
1— Unacceptable (I won't eat them)	3.1	3.2	2.0	2.9	0.0	6.8	10.3	4.2	4.7	4.2
2	6.1	3.2	7.8	11.8	4.0	4.6	3.4	8.3	2.3	5.9
3	12.5	19.4	17.6	2.9	32.0	15.9	13.8	31.2	16.3	18.1
4— Average	40.6	48.4	47.1	50.0	40.0	54.5	48.3	31.2	44.2	44.8
5	9.4	19.4	13.7	23.5	20.0	9.1	20.7	16.7	20.9	16.6
6	18.8	6.4	9.8	5.9	4.0	4.6	0.0	6.3	9.3	7.4
7— Excellent (I like them very much)	9.4	0.0	2.0	2.9	0.0	4.5	3.5	2.1	2.3	3.0
MEAN	4.4	4.0	4.0	4.1	3.9	3.9	3.8	3.8	4.1	4.0
STANDARD DEVIATION	1.5	1.0	1.2	1.2	0.9	1.3	1.3	1.3	1.2	1.2
MEDIAN	4.2	4.0	4.0	4.1	3.9	3.9	4.0	3.7	4.1	4.0
NO SUBJECTS RESPONDING	32	31	51	34	25	44	29	48	43	337

Would you like to be permitted to eat in any mess hall on your post?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	65.6	71.0	66.7	50.0	69.2	48.9	58.6	56.0	67.4	61.0
No	9.4	9.7	11.8	2.9	11.5	8.9	10.3	8.0	2.3	8.2
Doesn't matter	25.0	19.3	21.6	47.1	19.2	42.2	31.0	36.0	30.2	30.8
NO SUBJECTS RESPONDING	32	31	51	34	26	45	29	50	43	341

Do you think the military should operate some snack bars where you could eat free?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	87.9	83.3	80.4	73.5	69.2	68.9	75.9	83.7	72.1	77.3
No	0.0	10.0	5.9	0.0	7.7	13.3	6.9	2.0	9.3	6.2
Doesn't matter	12.1	6.7	13.7	26.5	23.1	17.8	17.2	14.3	18.6	16.5
NO SUBJECTS RESPONDING	33	30	51	34	26	45	29	49	43	340

How much time do you think you should be permitted to stay in the snack bar when you go there?

	A	B	C	D	E	F	G	H	I	MEAN
Just to eat	52.9	41.9	50.0	45.5	44.0	61.4	55.2	51.0	38.5	49.4
No more than one hour	14.7	22.6	10.4	21.2	16.0	15.9	24.1	32.7	23.1	20.2
As long as you want	32.4	35.5	39.6	33.3	40.0	22.7	20.7	16.3	38.5	30.4
NO SUBJECTS RESPONDING	34	31	48	33	25	44	29	49	39	332

Why did you join the Army?

	A	B	C	D	E	F	G	H	I	MEAN
Drafted	47.1	74.2	54.9	50.0	46.1	48.9	48.3	52.0	38.1	50.9
Enlisted to avoid draft	8.8	12.9	13.7	14.7	23.1	15.6	13.8	16.0	26.2	16.1
Enlisted for other reasons	44.1	12.9	31.4	35.3	30.8	35.6	37.9	32.0	35.7	33.0
NO SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	42	342

Do you plan to reenlist when your present tour of duty ends?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	5.9	3.2	3.9	5.9	0.0	4.4	3.4	6.0	0.0	3.8
No	70.6	96.8	88.2	91.2	84.6	91.1	89.7	86.0	90.5	87.7
Not sure	23.5	0.0	7.8	2.9	15.4	4.4	6.9	8.0	9.5	8.5
NO SUBJECTS RESPONDING	34	31	51	34	26	45	29	50	42	342

How much do you like the Army?

	A	B	C	D	E	F	G	H	I	MEAN
1 I dislike it very much	32.4	54.8	66.0	52.9	50.0	44.4	34.5	58.3	50.0	50.4
2	8.8	22.6	8.0	14.7	26.9	11.1	6.9	16.7	14.3	13.9
3	11.8	0.0	6.0	11.8	7.7	15.6	10.3	8.3	9.5	9.1
4 I am neutral about it	11.8	16.1	10.0	14.7	15.4	20.0	41.4	10.4	23.8	17.4
5	23.5	3.2	4.0	0.0	0.0	4.4	3.4	2.1	0.0	4.4
6	5.9	0.0	6.0	0.0	0.0	0.0	3.5	2.1	0.0	2.1
7 I like it very much	5.9	3.2	0.0	5.9	0.0	4.4	0.0	2.1	2.4	2.7
MEAN	3.3	2.0	2.0	2.2	1.9	2.5	2.8	2.0	2.2	2.3
STANDARD DEVIATION	2.0	1.5	1.6	1.7	1.1	1.7	1.5	1.5	1.5	1.6
MEDIAN	3.3	1.4	1.3	1.4	1.5	2.0	3.3	1.4	1.5	1.5
NO SUBJECTS RESPONDING	34	31	50	34	26	45	29	48	42	339

Compared to other enlisted men that you know, do you believe the Army has treated you fairly?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	60.6	58.1	46.0	61.8	30.8	52.3	51.7	39.6	38.1	48.4
No	39.4	41.9	54.0	38.2	69.2	47.7	48.3	60.4	61.9	51.6
NO SUBJECTS RESPONDING	33	31	50	34	26	44	29	48	42	337

Do you think the Army is using your talents and abilities effectively?

	A	B	C	D	E	F	G	H	I	MEAN
Yes	39.4	35.5	16.0	11.8	19.2	20.0	34.5	12.8	21.4	22.3
No	60.6	64.5	84.0	88.2	80.8	80.0	65.5	87.2	78.6	77.7
NO SUBJECTS RESPONDING	33	31	50	34	26	45	29	47	42	337

RESULTS FOR BCT UNITS

Identification	Units	No. Interviewed	No. Discarded	Total
BCT	B-2-2	50	1	49
	C-1-2	49	0	49

When you do not eat in the mess hall, where do you eat?

a. I skip the meal

Never	45.4
Sometimes	46.4
Often	6.2
Always	2.1
Number of Subjects Responding	97

b. Girlfriend's House

Never	89.6
Sometimes	10.4
Often	0.0
Always	0.0
Number of Subjects Responding	96

c. Home

Never	86.3
Sometimes	6.3
Often	5.3
Always	2.1
Number of Subjects Responding	95

d. Friend's House

Never	87.5
Sometimes	9.4
Often	3.1
Always	0.0
Number of Subjects Responding	96

e. Relatives

Never	89.6
Sometimes	9.4
Often	0.0
Always	1.0
Number of Subjects Responding	96

**f. Off-post diner, snack bar,
or drive-in**

Never	62.5
Sometimes	34.4
Often	3.1
Always	0.0
Number of Subjects Responding	96

g. Off-post quality restaurant

Never	78.1
Sometimes	17.7
Often	4.2
Always	0.0
Number of Subjects Responding	96

h. Bar or tavern (with alcoholic beverages)

Never	72.9
Sometimes	20.8
Often	6.3
Always	0.0
Number of Subjects Responding	96

i. PX snack bar on your post

Never	29.9
Sometimes	61.9
Often	6.2
Always	2.1
Number of Subjects Responding	97

j. PX snack bar on a nearby post

Never	82.3
Sometimes	17.7
Often	0.0
Always	0.0
Number of Subjects Responding	96

k. NCO service club on your post

Never	93.8
Sometimes	6.2
Often	0.0
Always	0.0
Number of Subjects Responding	96

l. NCO service club on a nearby post

Never	99.0
Sometimes	1.0
Often	0.0
Always	0.0
Number of Subjects Responding	96

m. PX donut shop

Never	80.0
Sometimes	19.0
Often	1.0
Always	0.0
Number of Subjects Responding	95

n. EM club

Never	93.8
Sometimes	6.2
Often	0.0
Always	0.0
Number of Subjects Responding	96

Consider the *normal meals* that you are served at your mess hall (excluding the short order) during the *weekdays* (Monday thru Friday). Tell us your opinion of the variety of these meals from day to day.

a. Breakfast

1—	29.6
No variety	
2	22.4
3	16.3
4—	19.4
About right	
5	8.2
6	4.1
7—	0.0
Too much variety	

MEAN 2.7

STANDARD
DEVAIATION 1.5

MEDIAN 2.4

Number of Subjects Responding 98

b. Midday Meal

1—	2.0
No variety	
2	10.2
3	31.6
4—	42.9
About right	
5	10.2
6	2.0
7—	1.0
Too much variety	

MEAN 3.6

STANDARD
DEVIATION 1.0

MEDIAN 3.6

Number of Subjects Responding 98

c. Evening Meal

1— No variety	3.1
2	5.1
3	20.4
4— About right	53.1
5	11.2
6	6.1
7— Too much variety	1.0
MEAN	3.9
STANDARD DEVIATION	1.0
MEDIAN	3.9
Number of Subjects Responding	98

Now consider only the *normal meals* you are served at your mess hall (excluding the short order) for a typical *weekend* (Saturday and Sunday). Tell us your opinion of the variety of these meals from weekend to weekend.

a. Breakfast

1— No variety	31.6
2	21.4
3	11.2
4— About right	20.4
5	12.2
6	3.1
7— Too much variety	0.0
MEAN	2.7
STANDARD DEVIATION	1.5
MEDIAN	2.4
Number of Subjects Responding	98

b. Midday Meal

1— No variety	2.0
2	17.3
3	24.5
4— About right	43.9
5	8.2
6	3.1
7— Too much variety	1.0
MEAN	3.5
STANDARD DEVIATION	1.1
MEDIAN	3.6
Number of Subjects Responding	98

c. Evening Meal

1— No variety	2.0
2	15.3
3	24.5
4— About right	40.8
5	11.2
6	5.1
7— Too much variety	1.0
MEAN	3.6
STANDARD DEVIATION	1.2
MEDIAN	3.7
Number of Subjects Responding	98

What is your opinion of the preparation of the food in your mess hall for the *normal meal* only? (Exclude the short-order meal.)

1—	2.2
Unacceptable (I can't eat it)	
2	15.4
3	19.8
4—	38.5
Average	
5	17.6
6	6.6
7—	0.0
Excellent (could not be better)	
MEAN	3.7
STANDARD DEVIATION	1.2
MEDIAN	3.8
Number of Subjects Responding	91

Is the food in your mess hall ever:

a. Overcooked

Never	17.5
Sometimes	73.2
Often	9.3
Always	0.0
Number of Subjects Responding	97

b. Undercooked

Never	4.1
Sometimes	45.4
Often	44.3
Always	6.2
Number of Subjects Responding	97

c. Cold

Never	11.3
Sometimes	44.3
Often	38.1
Always	6.2
Number of Subjects Responding	97

d. Tasteless or bland

Never	11.3
Sometimes	44.3
Often	38.1
Always	6.2
Number of Subjects Responding	97

e. Burned

Never	35.0
Sometimes	56.7
Often	8.3
Always	0.0
Number of Subjects Responding	97

f. Dried out

Never	17.5
Sometimes	55.7
Often	25.8
Always	1.0
Number of Subjects Responding	97

g. Greasy

Never	17.5
Sometimes	44.3
Often	33.0
Always	5.2
Number of Subjects Responding	97

h. Tough

Never	4.1
Sometimes	48.5
Often	41.2
Always	6.2
Number of Subjects Responding	97

i. Too spicy

Never	47.7
Sometimes	34.0
Often	8.2
Always	0.0
Number of Subjects Responding	97

j. Raw

Never	33.0
Sometimes	48.5
Often	17.5
Always	1.0
Number of Subjects Responding	97

k. Still Frozen

Never	71.1
Sometimes	25.8
Often	3.1
Always	0.0
Number of Subjects Responding	97

l. Too salty

Never	53.6
Sometimes	27.8
Often	16.5
Always	2.1
Number of Subjects Responding	97

What is your opinion of the quality of the food itself, that is, aside from the preparation?

1—	
Unacceptable	0.0
2	10.4
3	21.9
4—	
Average	33.3
5	27.1
6	7.3
7—	
Excellent	0.0
MEAN	4.0
STANDARD DEVIATION	1.1
MEDIAN	4.0
Number of Subjects Responding	96

Do you ever find that the food in your mess hall is, or has:

a. Gristle or tendon

Never	12.4
Sometimes	59.8
Often	25.8
Always	2.1
Number of Subjects Responding	97

b. Excess fat

Never	14.4
Sometimes	51.6
Often	31.9
Always	2.1
Number of Subjects Responding	97

c. Stringy

Never	19.6
Sometimes	59.8
Often	17.5
Always	3.1
Number of Subjects Responding	97

d. Tough

Never	5.1
Sometimes	51.0
Often	39.8
Always	4.1
Number of Subjects Responding	98

e. Damaged or bruised (e.g., fruit or vegetables)

Never	35.1
Sometimes	49.5
Often	14.4
Always	1.0
Number of Subjects Responding	97

f. Over-ripe fruit

Never	57.7
Sometimes	34.0
Often	8.3
Always	0.0
Number of Subjects Responding	97

g. Under-ripe fruit

Never	22.7
Sometimes	44.3
Often	29.9
Always	3.1
Number of Subjects Responding	97

h. Stale

Never	53.6
Sometimes	40.2
Often	6.2
Always	0.0
Number of Subjects Responding	97

i. Old looking

Never	49.5
Sometimes	37.1
Often	12.4
Always	1.0
Number of Subjects Responding	97

j. Sour (e.g., milk)

Never	86.6
Sometimes	10.3
Often	3.1
Always	0.0
Number of Subjects Responding	97

k. Spoiled

Never	83.5
Sometimes	15.5
Often	1.0
Always	0.0
Number of Subjects Responding	97

l. Off-flavor or odor

Never	58.8
Sometimes	35.0
Often	5.2
Always	1.0
Number of Subjects Responding	97

Answer the following questions for the normal meal only. Exclude the short order meal.

a. What is your opinion of the amount of meat served:

1—	
Too little	21.4
2	26.5
3	28.6
4—	
About right	20.4
5	2.0
6	1.0
7—	
Too much	0.0
MEAN	2.6
STANDARD DEVIATION	1.2
MEDIAN	2.6
Number of Subjects Responding	98

b. What is your opinion of the amount of vegetables served:

1—	
Too little	10.2
2	7.1
3	13.3
4—	
About right	60.2
5	5.1
6	4.1
7—	
To much	0.0
MEAN	3.6
STANDARD DEVIATION	1.2
MEDIAN	3.8
Number of Subjects Responding	98

c. What is your opinion of the amount of potatoes served:

1—	
Too little	10.2
2	7.1
3	8.2
4—	
About right	40.8
5	10.2
6	13.3
7—	
Too much	10.2
MEAN	4.1
STANDARD DEVIATION	1.7
MEDIAN	4.1
Number of Subjects Responding	98

Do you ever leave your mess hall hungry?

Never	5.1
Sometimes	40.8
Often	39.8
Always	14.3
Number of Subjects Responding	98

Do you ever skip a meal at your mess hall because you are not hungry?

Never	56.1
Sometimes	40.8
Often	3.1
Always	0.0
Number of Subjects Responding	98

Do you ever skip a meal at your mess hall because you think you are gaining too much weight?

Never	85.7
Sometimes	12.2
Often	2.0
Always	0.0
Number of Subjects Responding	98

Do you serve yourself or do the mess hall personnel serve you the following items? Circle the items which you serve yourself.¹⁰

Percentage of BCTs answering affirmatively:

Meat item	9.2
Potatoes	11.2
Vegetables	10.2
Salad	13.3
Dessert	11.2
Beverage	44.9

If you had your choice, which of the following items would you prefer to serve yourself? Circle those items which you would prefer to serve yourself.¹⁰

Percentage of BCTs answering affirmatively:

Meat item	88.8
Potatoes	42.9
Vegetables	41.8
Salad	50.0
Dessert	71.4
Beverage	72.4

¹⁰ NOTE: Percentages do not total 100% because subjects were free to choose as many or as few items desired.

Do you ever not eat or throw away any of the food which you are served in your mess hall?

a. Meat item

Never	66.0
Sometimes	27.8
Often	6.2
Always	0.0
Number of Subjects Responding	97

b. Potatoes

Never	34.0
Sometimes	43.3
Often	21.7
Always	1.0
Number of Subjects Responding	97

c. Vegetables

Never	29.9
Sometimes	49.5
Often	18.6
Always	2.1
Number of Subjects Responding	97

d. Salad

Never	53.1
Sometimes	38.5
Often	7.3
Always	1.0
Number of Subjects Responding	96

e. Dessert

Never	71.9
Sometimes	24.0
Often	4.2
Always	0.0
Number of Subjects Responding	96

f. Beverage

Never	93.8
Sometimes	6.2
Often	0.0
Always	0.0
Number of Subjects Responding	96

If you do throw food away or do not eat any of the food, tell us how much of each item.

a. Meat item

None	60.6
A little	31.9
A lot	5.3
All	2.1
Number of Subjects Responding	94

b. Potatoes

None	29.2
A little	45.8
A lot	20.8
All	4.2
Number of Subjects Responding	96

c. Vegetables

None	28.7
A little	50.0
A lot	19.2
All	2.1
Number of Subjects Responding	94

d. Salad

None	48.9
A little	38.0
A lot	9.8
All	3.3
Number of Subjects Responding	92

e. Dessert

None	69.2
A little	28.6
A lot	0.0
All	2.2
Number of Subjects Responding	91

f. Beverage

None	94.6
A little	4.3
A lot	0.0
All	1.1
Number of Subjects Responding	92

What is your opinion of the ability of the cooks in your mess hall?

1—	
Very poor	3.1
2	4.1
3	12.2
4—	
Average	41.8
5	21.4
6	15.3
7—	
Excellent	2.0
MEAN	4.3
STANDARD DEVIATION	1.2
MEDIAN	4.2
Number of Subjects Responding	98

Do you think the cooks in your mess hall are doing their job to the best of their ability?

1—	
No, definitely not	8.2
2	7.1
3	14.3
4	27.5
5	25.5
6	9.2
7—	
Very much so	8.2
MEAN	4.2
STANDARD DEVIATION	1.6
MEDIAN	4.2
Number of Subjects Responding	98

Do you consider the sanitary conditions in the *dining room* of your mess hall to be satisfactory or unsatisfactory?

Satisfactory	93.9
Unsatisfactory	6.1
Number of Subjects Responding	98

Do you consider the sanitary conditions of the *kitchen area* of your mess hall to be satisfactory or unsatisfactory?

Satisfactory	94.9
Unsatisfactory	5.1
Number of Subjects Responding	98

Do you consider the sanitary conditions of the *outside of your mess hall* to be satisfactory or unsatisfactory?

Satisfactory	93.8
Unsatisfactory	6.2
Number of Subjects Responding	97

Do you ever find the following in your mess hall?

a. Dirty silverware

Never	39.8
Sometimes	48.0
Often	10.2
Always	2.0
Number of Subjects Responding	98

b. Dirty trays

Never	19.4
Sometimes	52.0
Often	20.4
Always	8.2
Number of Subjects Responding	98

c. Dirty dishes and glasses

Never	45.9
Sometimes	45.9
Often	7.1
Always	1.0
Number of Subjects Responding	98

d. Dirty floors

Never	85.7
Sometimes	11.2
Often	3.1
Always	0.0
Number of Subjects Responding	98

e. Dirty tables and chairs

Never	72.5
Sometimes	21.4
Often	6.1
Always	0.0
Number of Subjects Responding	98

f. Dirty dispensing devices

Never	76.5
Sometimes	19.4
Often	4.1
Always	0.0
Number of Subjects Responding	98

Do the cooks in your mess hall have a clean and neat appearance?

Never	3.1
Sometimes	20.4
Often	43.9
Always	32.6
Number of Subjects Responding	98

Do the KPs have a clean appearance in your mess hall?

Never	4.1
Sometimes	27.5
Often	43.9
Always	24.5
Number of Subjects Responding	98

Circle those items below which you think are a problem in your mess hall.¹¹

Percentage of BCTS answering affirmatively:

Flies	3.1
Cockroaches	2.0
Ants	2.0
Mice	2.0
Rats	2.0
Dogs	1.0
Cats	1.0

¹¹ NOTE: Percentages do not total 100% because subjects were free to choose as many or as few items as desired.

Where is your mess hall located?

Same building as barracks	92.9
Separate building adjacent to barracks	7.1
Separate building, 1-2 blocks away	0.0
Separate building, greater than 3-4 blocks away	0.0
Number of Subjects Responding	98

Where would you prefer your mess hall?

In barracks	90.6
Adjacent to barracks	8.3
2-3 blocks away	1.0
Greater than 3-4 blocks	0.0
Number of Subjects Responding	96

Are there any groups of people who eat in the mess hall at certain times which make it unpleasant for you to eat there?

Yes	46.4
No	53.6
Number of Subjects Responding	97

Do you avoid eating meals or skip meals when these people are eating in the mess hall?

Yes	8.4
No	91.6
Number of Subjects Responding	95

How long do you usually have to wait in line to get a meal?

Never	0.0
1-5 minutes	4.1
5-10 minutes	22.7
10-15 minutes	45.4
Longer	27.8
Number of Subjects Responding	97

Do you think the wait is too long?

Yes	59.4
No	40.6
Number of Subjects Responding	96

How often do you eat somewhere other than your mess hall because the wait in line at your mess hall is too long?

Never	78.1
Sometimes	17.7
Often	3.1
Always	1.0
Number of Subjects Responding	96

Once you arrive at the mess hall, how much time are you given to eat?

a. Breakfast

Less than 10 minutes	35.1
10-20 minutes	63.9
More than 20 minutes	1.0
Number of Subjects Responding	97

b. Midday Meal

Less than 10 minutes	35.0
10-20 minutes	61.9
More than 20 minutes	3.1
Number of Subjects Responding	97

c. Evening Meal

Less than 10 minutes	29.9
10-20 minutes	56.7
More than 20 minutes	13.4
Number of Subjects Responding	97

Are you given enough time to eat breakfast?

Yes	55.7
No	44.3
Number of Subjects Responding	97

Are you given enough time to eat the midday meal?

Yes	50.5
No	49.5
Number of Subjects Responding	97

Are you given enough time to eat the evening meal?

Yes	57.7
No	42.3
Number of Subjects Responding	97

What things do you particularly like about your mess hall? Indicate as many items as you want.¹²

Percentage of BCTs Answering Affirmatively:

a. Nothing	10.2
b. Convenient location	72.4
c. Convenient times to eat	13.3
d. Free food	67.4
e. Plenty to eat and drink	3.1
f. The food is good	19.4
g. The mess hall personnel are easy to get along with	25.5
h. The meals are well-balanced	27.6
i. The mess hall has a pleasant appearance	42.9
j. The mess hall is clean	74.5

¹² Note: Percentages do not total 100% because subjects were permitted to choose as many or as few items as desired.

What things do you particularly dislike about the mess hall? Indicate as many items as you want.¹³

Percentage of BCTs Answering Affirmatively:

a. Nothing	7.1
b. Not enough food served	70.4
c. Second helpings not permitted	62.2
d. Food is wasted	50.0
e. Discipline of men in mess hall is poor	8.2
f. Serving on KP	45.9
g. Signing for meals	19.4
h. Signing more than one sign-up sheet at one time	2.0
i. Waiting in line to be served	60.2
j. Waiting outside to be served	56.1
k. The food is not very good	32.6
l. The military atmosphere	52.0
m. The mess hall is dirty	3.1
n. The mess hall is old and dingy — not modern	2.0
o. There are not enough condiments on the tables	65.3
p. Missing or inappropriate silverware	24.5
q. Dirty trays, plates and silverware	40.8
r. Plastic cups instead of china	4.1
s. Eating hours are inconvenient	13.3
t. Not enough time to eat your meal	64.3
u. Too many people in the mess hall for its size	32.6

v.	The dress and behavior regulations are too strict	25.5
w.	Showing your meal card before you can be served	24.5
x.	Separation of Officers and NCO's from the EM's	4.1
y.	Officers and NCO's eating in the same mess	20.4
z.	Doing PT before and after meals	31.6
aa.	Being harassed by NCO's and mess personnel	72.4
bb.	The mess hall is too noisy	6.1
cc.	The mess hall is either too warm or too cold	7.1

What size mess hall do you prefer?

Company size	
(similar to present one)	62.9
Larger central mess hall	7.2
It doesn't matter	29.9
Number of Subjects Responding	97

Have you ever eaten in a larger central mess hall?

Yes	20.4
No	79.6
Number of Subjects Responding	98

Are you required to sign for your meals?

Yes	20.0
No	31.6
Sometimes	48.4
Number of Subjects Responding	95

¹³ NOTE: Percentages do not total 100% because subjects were permitted to choose as many or as few items as desired.

If you are required to sign for meals, when do you do it?

Before each meal	73.2
All meals of the day at one time	1.4
It varies from day to day	25.4
Number of Subjects Responding	71

Is your mess hall ever:

a. Too cold

Never	69.0
Sometimes	29.8
Often	1.2
Always	0.0
Number of Subjects Responding	84

b. Too warm

Never	70.6
Sometimes	25.9
Often	3.5
Always	0.0
Number of Subjects Responding	85

c. Stuffy

Never	55.7
Sometimes	37.5
Often	5.7
Always	1.1
Number of Subjects Responding	88

d. Smoky

Never	91.6
Sometimes	8.4
Often	0.0
Always	0.0
Number of Subjects Responding	83

e. Full of steam

Never	85.5
Sometimes	13.3
Often	1.2
Always	0.0
Number of Subjects Responding	83

f. Full of unpleasant food odors

Never	78.8
Sometimes	17.7
Often	3.5
Always	0.0
Number of Subjects Responding	85

g. Full of stale odors

Never	85.7
Sometimes	11.9
Often	2.4
Always	0.0
Number of Subjects Responding	84

h. Full of greasy smells

Never	79.8
Sometimes	15.5
Often	4.8
Always	0.0
Number of Subjects Responding	84

What size tables would you like to see in your mess hall?

One man per table	0.0
Two men per table	6.2
Three men per table	3.1
Four men per table	80.4
Five men per table	1.0
Six men per table	8.3
Seven or more men per table	1.0
MEAN	4.1
STANDARD DEVIATION	0.8
MEDIAN	4.0
Number of Subjects Responding	97

Is your mess hall ever too crowded with people?

Never	9.2
Sometimes	59.2
Often	16.3
Always	15.3
Number of Subjects Responding	98

What types of changes in appearance would you like or not like in your mess hall?

a. Military pictures and posters

Like	8.5
Not like	46.8
Doesn't matter	44.7
Number of Subjects Responding	94

b. Flags

Like	23.7
Not like	23.7
Doesn't matter	52.7
Number of Subjects Responding	93

c. Trophies

Like	29.0
Not like	29.0
Doesn't matter	41.9
Number of Subjects Responding	93

d. Brighter colors

Like	66.3
Not like	5.3
Doesn't matter	28.4
Number of Subjects Responding	95

e. More decorative wall patterns

Like	73.4
Not like	2.1
Doesn't matter	24.5
Number of Subjects Responding	94

f. Curtains

Like	65.6
Not like	2.1
Doesn't matter	32.3
Number of Subjects Responding	93

g. Tablecloths

Like	71.0
Not like	2.1
Doesn't matter	26.9
Number of Subjects Responding	93

h. Music with meals

Like	90.4
Not like	0.0
Doesn't matter	9.6
Number of Subjects Responding	94

i. Counters and booths

Like	39.1
Not like	26.1
Doesn't matter	34.8
Number of Subjects Responding	92

Would you rather use china plates instead of compartmentalized metal or plastic trays?

Yes	17.4
No	32.6
Doesn't matter	50.0
Number of Subjects Responding	98

Is the noise level in your mess hall so loud that it is unpleasant for you?

Never	66.0
Sometimes	26.8
Often	2.1
Always	5.1
Number of Subjects Responding	97

What type of music would you prefer in the mess hall?

None	1.0
Hard Rock	14.4
Soul	5.2
Popular	9.3
Rock and Roll	7.2
Jazz	6.2
Instrumental	6.2
Classical	1.0
Country Western	9.3
Variety of the above	39.2
Other	1.0
Number of Subjects Responding	97

Circle any rules for behavior in the mess hall, listed below, which you believe are unnecessary.¹⁴

Percentage of BCTs answering affirmatively:

Separation of NCOs and officers from EMs	15.3
Time limits for eating	73.5
Officers and NCOs cutting in line	37.8
Dress regulations	18.4
No smoking	46.9
Calling "at ease" when officers enter	66.3
Signing for meals	41.8

Circle any rules for behavior listed below which you would like to see *instituted or enforced* in your mess hall.¹⁴

Percentage of BCTs answering affirmatively:

Stricter dress regulations	2.0
No smoking for cooks and KPs	20.4
No shouting or yelling	53.1
Stricter behavior regulations	19.4

¹⁴NOTE: Percentages do not total 100% because subjects were permitted to choose as many or as few items as desired.

Which of the types of foreign or specialty foods do you like best?

a. First Choice

Italian	42.9
Seafood	19.4
Soul	5.1
Chinese	4.1
Mex-Spanish	8.2
German	3.1
French	1.0
Jewish	0.0
Polynesian	0.0
Japanese	0.0
Indian	1.0
Mideast, Greek	0.0
No preference	12.2
Don't like any	1.0
Other Specialty Food	2.0
Number of Subjects Responding	98

b. Second Choice

Italian	11.9
Seafood	22.6
Soul	1.2
Chinese	19.0
Mex-Spanish	22.6
German	8.3
French	8.3
Jewish	0.0
Polynesian	1.2
Japanese	1.2
Indian	0.0
Mideast, Greek	0.0
No Preference	2.4
Don't like any	1.2
Other Specialty Food	0.0
Number of Subjects Responding	84

c. Third Choice

Italian	6.2
Seafood	12.4
Soul	2.5
Chinese	12.4
Mex-Spanish	16.0
German	11.1
French	22.2
Jewish	2.5
Polynesian	1.2
Japanese	2.5
Indian	0.0
Mideast, Greek	6.2
No Preference	1.2
Don't like any	1.2
Other Specialty Food	2.5
Number of Subjects Responding	81

What is your opinion of the following types of foods? Think of the foods in a general way. Do not rate them according to the food you have been served in the Army.

a. Canned Foods

1-	
Unacceptable (I won't eat them)	1.0
2	6.1
3	16.3
4-	
Average	52.0
5	15.3
6	5.1
7-	
Excellent (I like them very much)	4.1
MEAN	4.1
STANDARD DEVIATION	1.1
MEDIAN	4.0
Number of Subjects Responding	98

b. Dehydrated Foods

1-	
Unacceptable (I won't eat them)	9.7
2	22.6
3	36.6
4-	
Average	26.9
5	0.0
6	2.1
7-	
Excellent (I like them very much)	2.1
MEAN	3.0
STANDARD DEVIATION	1.2
MEDIAN	3.0
Number of Subjects Responding	93

c. Frozen Foods

1-	
Unacceptable (I won't eat them)	1.0
2	4.1
3	13.4
4-	
Average	54.6
5	16.5
6	6.2
7-	
Excellent (I like them very much)	4.1
MEAN	4.2
STANDARD DEVIATION	1.1
MEDIAN	4.1
Number of Subjects Responding	97

Why did you join the Army?

Drafted	45.9
Enlisted to avoid draft	20.4
Enlisted for other reasons	33.7
Number of Subjects Responding	98

Do you plan to reenlist when your present tour of duty ends?

Yes	5.1
No	70.4
Not sure	24.5
Number of Subjects Responding	98

How much do you like the Army?

1-	
I dislike it very much	26.8
2	22.7
3	11.3
4-	
I am neutral about it	19.6
5	8.2
6	9.3
7-	
I like it very much	2.1
MEAN	3.0
STANDARD DEVIATION	1.7
MEDIAN	2.5
Number of Subjects Responding	97

Compared to other enlisted men that you know, do you believe the Army has treated you fairly?

Yes	71.4
No	28.6
Number of Subjects Responding	98

Do you think the Army is using your talents and abilities effectively?

Yes	36.2
No	63.8
Number of Subjects Responding	94

APPENDIX 5

COMMENTS

General Comments – TDA and TOE Sample

I don't like to eat in a mess hall because it makes food also a part of the Army and the association makes me sick. (WAC)

I mostly eat at places like A&W, McDonald's, or Denny's.

Can get along with the cooks and KPs. The mess sergeants no.

It's dull! No life.

I dislike being told to eat at the mess hall.

I think there should be mandatory presence of cooks at the chowline, so people can see who is trying to poison them. It's really not a lot to ask.

I prefer my mom's good, simple, wholesome food.

When you do not eat in the mess hall, where do you eat?

TDA and TOE Sample

In the barracks or I cook my own. (WAC)

Mess hall other than the one I'm assigned to (serves better meals). (WAC)

I cook at the barracks. (WAC)

I have my own supply of food. (WAC)

I cook myself. (WAC)

I cook myself. (WAC)

At the office where I work--TV dinners, etc.

Officers club.

Bowling alley.

Snack machines.

I work at a ski area on weekends.

I make my own meals.

I buy food in the commissary and picnic.

Fort Lewis golf course.

Downtown.

Vending machines.

While working.

"Soul Food" diners.

"Soul Food" diners.

Service club.

Food at drag strips.

Food at drag strips.

I do my own cooking while camping.

A&W Root Beer.

I bring a lunch from home.

In the barracks.

In a store.

In a car.

At the donut shop.

Apartment.

At someone's house, where there is a party.

Indicate those items which you think are a problem in your mess hall.

TDA and TOE Sample

Some people leave a mess on the tables, where others are going to eat their meals. (WAC)

Small roaches in general.

Faggot shells, paper and what-not in the food.

Bugs in the food.

Wasted food lying around.

BCT Sample

Dirty trays.

Long hair on cooks without hairnets.

How do you usually get to and from your military job?

TDA and TOE Sample

I walk to work and ride the bus back home. (WAC)

I ride back with a friend. (WAC)

A truck.

I drive a military vehicle.

They march us to work.

They walk us to work.

We march in step.

2 1/2-ton truck.

Duty driver.

Military vehicle.

Military vehicle.

Company provides transportation.

2 1/2-ton truck.

I drive my assigned military vehicle (ambulance).

I drive my assigned ambulance.

Army vehicle.

By marching.

I drive a jeep.

How do you usually get to and from your military job?

TDA and TOE Sample (cont'd)

By military vehicle.

We march sometimes.

We march.

2 1/2-ton truck.

I ride with company driver.

I ride in a 2 1/2-ton truck.

My job is in the barracks.

Truck.

Military truck.

Troop truck.

Troop trucks or friends.

2 1/2-ton truck.

I ride the troop truck.

Shop truck.

Troop truck.

Troop truck.

Troop truck.

Troop truck.

Truck.

Troop truck.

2 1/2-ton truck.

Troop truck.

I ride on a truck.

Truck.

Job trucks.

Truck.

Do you have any activity which regularly influences whether or not you eat a certain meal?

TDA and TOE Sample

My duty job. (WAC)

Duty. (WAC)

Work hours. (WAC)

Do you have any activity which regularly influences whether or not you eat a certain meal?

TDA and TOE Sample (cont'd)

Working late. (WAC)

I have to go back to work within 30 minutes.

Dates. (WAC)

I work the second shift, 1530 hours - 2330 hours. (WAC)

Sleep or work.

Working on a shift at the fire station.

Casualty reporting.

Duties.

Morning sleep.

Job duties.

Sleep.

Formations.

Just getting away.

Going home at 1630.

Weekend at the beach.

In the field.

Music lesson.

Recreation.

Gymnastics.

Arms Room guard.

I live off post.

Ambulance coverages.

Military job.

Leaving company area after hours.

Sleeping late.

Going to town.

My military job has odd hours.

My military job keeps me from getting to some of the meals (driving ambulance).

Detail or appointment.

Company normal duties.

I usually leave for home before supper begins.

I miss lunch because I work 1 1/2 miles from the mess hall.

When I am at the local bar.

Medical appointments.

I must be at work at 1630 and sometimes I don't have time to eat.

Do you have any activity which regularly influences whether or not you eat a certain meal?

TDA and TOE Sample (cont'd)

Seeing my girl.
I live offpost, and sometimes I am too late for breakfast.
Weekend passes away from the post.
Military job.
My job with the Army (CP driver).
I pick up my wife from work.
Car club PSMC.
I must be in my company too early to eat breakfast.
Working in a shop.
Shop clerk.
Work.
Visiting in Portland.
My girlfriend.
My job at Fort Lewis.
Getting off of Fort Lewis.
Duties.
A variety of things.
Church attendance on Sundays.
I go home to eat.
Seeing a movie in town.

What things do you particularly like about your mess hall?

TDA and TOE Sample

I can meet with my friends. (WAC)
There is plenty to drink.
There is plenty of milk to drink.
It's some place to eat.
Being able to speak to friends.
Beer on Friday nights.
It's a place to take a break.
Beer, liquor.
A place to rap and smoke.
A place to rap and smoke.

What things do you particularly like about your mess hall?

BCT Sample

Sometimes music is played.

There is a variety of beverages.

What things do you particularly dislike about your mess hall?

TDA and TOE Sample

Being bothered by certain people. (WAC)

Groups of people hanging around and not eating.

The cooks are prejudiced.

Not enough fruit. Hardly any music.

Too crowded.

We have to use soup bowls for milk and coffee.

I dislike the attitude of the mess personnel.

We have nothing to say about what we eat.

Unbalanced meals.

If you try to get in the mess hall early, the mess steward really comes down on you.

Not getting any soda or beer.

Everyone does not get the main meal. Only the first ones there get that. The rest get hot dogs or ham.

Plastic trays instead of china dishes, etc.

Too much grease.

Always out of silverware.

Black Panthers.

No glasses.

The atmosphere is uninhabitable.

The atmosphere is unpleasant.

Rationing milk.

Milk rationing.

Rationing milk.

I dislike the attitudes of the cooks and mess personnel.

I dislike military cooks and KP's.

I dislike being harassed when eating.

I dislike the bad food in the mess hall.

I think one problem in the mess hall is some misunderstanding KPs.

One problem is the people.

What things do you particularly dislike about your mess hall?

TDA and TOE Sample (cont'd)

Running out of food.

Off-post personnel taking food from the serving line.

Takes too long to serve the food.

Lifers.

The cooks have too much to say.

The cooks.

Sometimes the heat is turned on in mid-day and it gets too hot in the mess hall.

I dislike keeping the food too long.

People are a problem.

Mess. Sgt.

Cooks.

Lifers.

Unnecessary harassment of KPs by the first cooks. etc.

Hurried-up preparation of food.

Too many NCOs booting you while you eat.

NCOs in mess hall.

The company CO and some of the troops.

NCOs and officers.

Cooks and KPs.

Sgt. Major.

Don't hassle the cooks; they're drafties too.

Older NCOs in the same room.

Eating at dirty tables.

BCT Sample

Sometimes officers harass mess personnel for no reason.

The head cook and drill sergeant don't allow enough time to eat properly or slow enough.

Colored people often order servers to give them more than anyone else.

Colored people take more than their share, and they cut in lines.

Drill sergeants.

Mess sergeant and first cook.

Mess sergeant and first cook.

Drill sergeant and mess steward harass troops and disturb appetite.

Not enough to eat.

Can't smoke

No decorations, flowers, etc. No napkins.

What things do you particularly dislike about your mess hall?

BCT Sample (cont'd)

The drill instructor is always rushing you.
Harassment by NCOs.

If your fellow workers do not eat in your mess hall, where do they eat?

TDA and TOE Sample

There are kitchens in our barracks. (WAC)
The civilians eat at home or buy meals from the restaurant. (WAC)
They eat at the fire station, since they bring the food there.
They go without eating.
At girlfriend's.
NCO mess.
Off-post diners, e.g., McDonald's, or at home.
They bring their own food.
Friend's home.
Our mess hall.
NCO club.

What type of changes in appearance would you like or not like in your mess hall?

TDA and TOE Sample

Non-military atmosphere. (WAC)
Posters. (WAC)
Separate rooms.
Non-military appearance.
More space between tables.
Females KPs.
Chicks.
Less uniformity in ornaments and table settings.
Panelled walls, warm appearance.
Fewer tables and more space.
Topless waitresses.
Posters.

What type of changes in appearance would you like or not like in your mess hall?

TDA and TOE Sample (cont'd)

Padded seats.
Go-Go girls.
More black historical figures.
Pop machine.
Tooth picks.
Tooth picks.
Colorful furniture.
Waitresses.
Just a little, or no military atmosphere.
Coed mess hall, male and female.
Waitresses.
I think there should be more room.
Female personnel.
More space between tables.
Non-military atmosphere.
Waitresses.
I would like a pleasant atmosphere.
Women.
Carpets, and better lighting.
No military.
Coke and beer.
Soda pop served (no limit).
Beer.
Fewer military uniforms.
Coke machine and beer machine.
Black art.
Carpets.
Separate the NCOs and the EMs.

BCT Sample

I would like to have a juke box.
Better atmosphere.
Smoking.
Floral arrangements.

What type of music would you prefer in the mess hall?

TDA and TOE Sample

Wide variety.

Popular.

Acid rock.

Religious.

I think not just one particular kind, but a generous blending of all kinds.

Latin music.

Spanish music.

Spanish music.

Instrumental.

Blues.

BCT Sample

Some popular songs.

Indicate those rules for behavior in the mess hall which you believe are unnecessary.

TDA and TOE Sample

Waiting out in the rain.

Cutting-in-line "privilege".

Being hurried up to work.

No music.

BCT Sample

Not being able to talk.

Eating in the same mess hall as the officers and NCOs.

Calling out rank by the drill sergeants.

Rushing out to eat and then waiting for 45 minutes.

Yelling US, RA, or NG before entering.

Getting harassed. No relaxing to digest food.

Harassment while eating and rushing your meal. Can't relax and enjoy it.

Sounding off so loud.

Hollering RA, US, or NG when you enter.

Indicate those rules for behavior in the mess hall which you believe are unnecessary.

BCT Sample (cont'd)

Rushing through chowline.
Rushing through chowline.
Can't talk freely.
Being yelled at by mess sergeant.
Not being allowed to relax and enjoy a meal.

Indicate those rules for behavior which you would like to see instituted or enforced in your mess hall.

TDA and TOE Sample

Allow no crude language or loud talking. (WAC)
Lessen the military atmosphere. (WAC)
No loitering allowed.
No insulting of WACs.
No loitering allowed.
WACs not pulling Dining Room Orderly. (WAC)
Don't allow people to sit around for long periods of time after eating.
No smoking.
All officers should be required to eat two meals daily.
Have less militarism in the mess hall.
Stop people from cutting in line.
Lessen the harassment of the KPs, and have more participation in the activities of the mess hall in all phases of preparation, etc.
Leave clean tables.
Cooks and servers should not be allowed to talk or laugh in front of the serving line, because sometimes they spit on the food unintentionally.

BCT Sample

Negroes and whites should get the same amount of food on the first serving and second servings, if needed.
Enforce greedy people who don't obey rules.
Officers and NCOs should eat before or after the EMs.
No butting in line from the EMs.

Indicate those rules for behavior which you would like to see instituted or enforced in your mess hall.

BCT Sample (cont'd)

Stop others cutting ahead due to "privileges".

No smoking for all.

No harassment while eating.

Serve yourself, and take what you want.

No. D. I.

Yelling when entering.

Which types of foreign or specialty foods do you like best?

TDA and TOE Sample

More of a variety of any kind. (WAC)

Southern food. (WAC)

Cuban.

Korean.

Country food.

Polish foods.

Nordic foods.

Homemade cooking.

New England food, Ipswich clams.

Health food, microbiotic foods.

American cooking.

Southern foods.

Hawaiian.

American.

BCT Sample

A variety of balanced foods.

Final Comments After Completion of Questionnaire

TDA and TOE Sample

The best way to improve attendance is to get civilian KPs, better quality food, better methods of preparing the food, and a larger variety of food.

Final Comments After Completion of Questionnaire

TDA and TOE Sample (cont'd)

Separate rations for anyone who chooses is the most important change!

Anyone living off post (officially or unofficially) should be given a Separate Rations Allowance. One reason that I haven't been critical is that we are given a choice of short order or the main course for the Midday Meal, and I *always* eat the short order. Very seldom do I care for what is prepared for the main course.

I feel that we should be given a food allowance, so we can eat where and when we prefer.

The main reason I eat as many meals as I do at the mess hall is because the food is free.

The tables are too close together, not leaving enough space to pass by.

Two lines should be provided, one for short order, the other for the main meal. Then the troops could be served faster, and it would stop arguments such as, "Why can't I have this with my short order?", which holds up the line, and everybody complains. With two lines, the troops would have to make their choice before entering the mess, thus hastening the food service.

In many cases the quality of the mess hall meals is low, while the quantity is high. One must eat large amounts of poor-quality food to get enough nutrition.

Some improvements are the following: (1) Improve the sewage system and do away with grease traps, (2) Provide other means of disposal, and (3) Place rugs in the mess halls to help eliminate the noise in the dining room.

More attention is needed to keeping foods hot and fresh. As they are prepared and served now, hot foods are often cold and dried out, salads are wilted, desserts are dried out, and toast is soggy and cold. Breakfast meats are always undercooked.

Many foods (especially at breakfast) are cold. Toast, pancakes, french fries, vegetables, and flaccid lettuce prevail on weekends. The bacon is usually undercooked.

Final Comments After Completion of Questionnaire

TDA and TOE Sample (cont'd)

For 100% troop attendance, add female personnel.

We need a 24-hour mess hall.

We should have a short order menu at the evening meal, as we now have at the midday meal.

More KPs, more cooks, and more cook schools are needed.

There should be more milk and juices dispensed, and also a variety of juices. Milk and juices should also be dispensed for non-coffee drinkers E-4 and below.

I object to the low nutritional value and the high caloric value of the foods that we are served.

If I didn't have to eat at the mess hall, I wouldn't.

The mess stewards should ask the EM's as well as the officers about the quality of each meal.

The cooks, as well as everyone else, have a bad attitude toward the Army.

In our mess hall, the KPs eat after everyone else. By the time everyone else has eaten, there is very little of the main course left for the KPs. While everyone else has eaten chicken or pork chops, the KPs end up with cold ham, hot dogs, or whatever else the cooks can throw together. Also, I think that civilian cooks would do a much better job than the Army cooks, because the Army cooks have the attitude that they are just killing time until their ETS date, and they don't really take pride in their job. I also feel that the meat served in the mess halls is of a low grade; often it is brown when the cooks receive it.

Since most EMs I know do not enjoy being in the Army, I suggest that instead of wasting so much time and money to improve the meals, give separate rations to whoever wants them, and let them pay for their meals as they eat. A weekly projection could be used to estimate how many would eat each meal (or some other means of estimating). I feel this would reduce costs and improve moral.

Final Comments After Completion of Questionnaire

TDA and TOE Sample (cont'd)

A better kind of coffee is needed; the one served now is bitter.

We need faster service, meals at anytime, and cleaner tables.

Our beer machines have about 5% beer.

We need Go-Go dancers.

Everyone should be able to draw separate rations.

100% of the GIs are against KP, but elimination of KP will not improve the attendance rate at the mess halls.

We should eliminate KP, and hire professional cooks.

Do not have a short-order line.

Some of the tables should be removed, because it is too crowded in the mess hall. The food tastes old.

Beer should be provided for the last meal, for the last two weekend meals, and daily.

Eliminate military involvement.

There should be provisions for a limited number (8-10 per month) of non-military guests.

We should be able to have guests eat at the mess halls.

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Unclassified

Security Classification

DOCUMENT CONTROL DATA - R & D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

1. ORIGINATING ACTIVITY (Corporate author) US Army Natick Laboratories Natick, Massachusetts 01760		2a. REPORT SECURITY CLASSIFICATION Unclassified	
		2b. GROUP	
3. REPORT TITLE Fort Lewis Dining Facilities Consumer Survey			
4. DESCRIPTIVE NOTES (Type of report and inclusive dates)			
5. AUTHOR(S) (First name, middle initial, last name) Harold O. Kiess, J. Bradley Swanson, Richard F. Q. Johnson			
6. REPORT DATE January 1972		7a. TOTAL NO. OF PAGES 212	7b. NO. OF REFS 0
8a. CONTRACT OR GRANT NO.		9a. ORIGINATOR'S REPORT NUMBER(S) 72-44 PR	
b. PROJECT NO. Task 03 P/N 1J662713AJ45			
c. Task 06 P/N 1J662713A034		9b. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)	
d.			
10. DISTRIBUTION STATEMENT Approval for public release; distribution unlimited.			
11. SUPPLEMENTARY NOTES		12. SPONSORING MILITARY ACTIVITY Pioneering Research Laboratory US Army Natick Laboratories Natick, Massachusetts 01760	
13. ABSTRACT <p>A survey of approximately 350 garrison and TOE troops from nine dining halls at Ft. Lewis, Washington was conducted in April 1971. The purpose of the survey was to identify those factors which have the potential for influencing or determining consumer attendance at the dining hall. In general, the results showed that the "typical" soldier did not consider the quality of the Army's food-service system to be very good. Their most frequent complaints about the dining hall were food-related, i. e., poor quality, poor preparation, and lack of sufficient quantity.</p> <p>The conclusion could be made that an improvement of quality, preparation, and quantity of the food would be all that is necessary to draw the military customer back into the dining hall. Indeed it may be, but we have no way of knowing without an empirical test. The eating situation may well be an interactive one in which all factors, including attitude towards the Army, influence eating behavior.</p>			

DD FORM 1473

NOV 65

REPLACES DD FORM 1473, 1 JAN 64, WHICH IS OBSOLETE FOR ARMY USE.

Unclassified

Security Classification

14. KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
Attendance, Dining Facilities						
Attitudes, Army						
At titudes, Dining Facility						
Consumer						
Dining Facilities						
Eating Habits						
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